

GI Descrip. '5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'

Seq. No.	34035	Seq. ID	OJ000251_07.0216.C92
Gene No.	70443	Strand	-
Start	696	End	5152
Name	OJ000251_07.0216.C92.o2.gs	Method	GENSCAN
Start	696	End	4159
GI	none	Score	.4
Exons	696..889, 1655..2063, 2115..2794, 2800..4159		

Seq. No.	34035	Seq. ID	OJ000251_07.0216.C92
Gene No.	70443	Strand	-
Start	696	End	5152
Name	OJ000251_07.0216.C92.o1.np	Method	AAT/NAP
Start	1138	End	5152
GI	4378066	Score	2189
Exons	1138..4060, 5077..5152		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi 4680208 gb AAD27571.1 AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	34035	Seq. ID	OJ000251_07.0216.C92
Gene No.	70443	Strand	-
Start	696	End	5152
Name	OJ000251_07.0216.C92.o5.tw	Method	TBLASTX:Wheat
Start	1147	End	1742
GI	none	Score	63
Exons	1147..1272, 1464..1595, 1465..1596, 1623..1742		

Seq. No.	34035	Seq. ID	OJ000251_07.0216.C92
Gene No.	70443	Strand	-
Start	696	End	5152
Name	OJ000251_07.0216.C92.o5.tm	Method	TBLASTX:Maize
Start	1455	End	1697
GI	none	Score	60
Exons	1455..1697, 1456..1602, 1648..1695		

Seq. No.	34035	Seq. ID	OJ000251_07.0216.C92
Gene No.	70443	Strand	-
Start	696	End	5152
Name	OJ000251_07.0216.C92.o2.ts	Method	TBLASTX:Soybean
Start	1713	End	2061
GI	none	Score	52
Exons	1713..1937, 1720..1938, 1944..2042, 1945..2061		

Seq. No.	34035	Seq. ID	OJ000251_07.0216.C92
Gene No.	70443	Strand	-
Start	696	End	5152
Name	OJ000251_07.0216.C92.o2.tm	Method	TBLASTX:Maize
Start	1728	End	2061
GI	none	Score	243
Exons	1728..2042, 1729..1998, 1780..2061		

Seq. No.	34035	Seq. ID	OJ000251_07.0216.C92
Gene No.	70443	Strand	-
Start	696	End	5152

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Name	OJ000251_07.0216.C92.o4.tw	Method	TBLASTX:Wheat
Start	1860	End	2249
GI	none	Score	222
Exons	1860..2249		
Seq. No.	34035	Seq. ID	OJ000251_07.0216.C92
Gene No.	70443	Strand	-
Start	696	End	5152
Name	OJ000251_07.0216.C92.o4.tm	Method	TBLASTX:Maize
Start	2079	End	2357
GI	none	Score	84
Exons	2079..2357, 2101..2250		
Seq. No.	34035	Seq. ID	OJ000251_07.0216.C92
Gene No.	70443	Strand	-
Start	696	End	5152
Name	OJ000251_07.0216.C92.o3.tw	Method	TBLASTX:Wheat
Start	2559	End	2912
GI	none	Score	108
Exons	2559..2798, 2566..2796, 2802..2912, 2804..2911		
Seq. No.	34035	Seq. ID	OJ000251_07.0216.C92
Gene No.	70443	Strand	-
Start	696	End	5152
Name	OJ000251_07.0216.C92.o2.tw	Method	TBLASTX:Wheat
Start	3191	End	3593
GI	none	Score	173
Exons	3191..3523, 3294..3509, 3554..3592, 3555..3593		
Seq. No.	34035	Seq. ID	OJ000251_07.0216.C92
Gene No.	70443	Strand	-
Start	696	End	5152
Name	OJ000251_07.0216.C92.o1.ts	Method	TBLASTX:Soybean
Start	3194	End	3514
GI	none	Score	79
Exons	3194..3514, 3405..3512		
Seq. No.	34035	Seq. ID	OJ000251_07.0216.C92
Gene No.	70443	Strand	-
Start	696	End	5152
Name	OJ000251_07.0216.C92.o3.tm	Method	TBLASTX:Maize
Start	3281	End	3649
GI	none	Score	151
Exons	3281..3520, 3294..3521, 3545..3649		
Seq. No.	34035	Seq. ID	OJ000251_07.0216.C92
Gene No.	70443	Strand	-
Start	696	End	5152
Name	OJ000251_07.0216.C92.o1.tm	Method	TBLASTX:Maize
Start	3677	End	4034
GI	none	Score	220
Exons	3677..4033, 3678..4034		
Seq. No.	34035	Seq. ID	OJ000251_07.0216.C92
Gene No.	70443	Strand	-
Start	696	End	5152
Name	OJ000251_07.0216.C92.o1.tw	Method	TBLASTX:Wheat

Start 3707
 GI none
 Exons 3707..4075, 3708..4070

End 4075
 Score 216

Seq. No. 34036
 Gene No. 70444
 Start 91
 Name OJ000251_07.0216.C93.o1.gs
 Start 91
 GI none
 Exons 91..181

Seq. ID OJ000251_07.0216.C93
 Strand +
 End 181
 Method GENSCAN
 End 181
 Score .78

Seq. No. 34036
 Gene No. 70445
 Start 1420
 Name OJ000251_07.0216.C93.o2.gs
 Start 1420
 GI none
 Exons 1420..1483, 1585..1851

Seq. ID OJ000251_07.0216.C93
 Strand +
 End 1851
 Method GENSCAN
 End 1851
 Score .51

Seq. No. 34037
 Gene No. 70446
 Start 162
 Name OJ000251_07.0216.C94.o1.gs
 Start 162
 GI none
 Exons 162..461

Seq. ID OJ000251_07.0216.C94
 Strand +
 End 461
 Method GENSCAN
 End 461
 Score .94

Seq. No. 34037
 Gene No. 70447
 Start 274
 Name OJ000251_07.0216.C94.o1.np
 Start 274
 GI 5257279
 Exons 274..514, 1500..2096, 2211..2373, 2590..5309, 5941..6176, 6525..7071

Seq. ID OJ000251_07.0216.C94
 Strand -
 End 9636
 Method AAT/NAP
 End 7071
 Score 6881

GI Descrip. (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]

Seq. No. 34037
 Gene No. 70447
 Start 274
 Name OJ000251_07.0216.C94.o2.gs
 Start 1114
 GI none
 Exons 1114..1986, 2239..3657, 3818..5527

Seq. ID OJ000251_07.0216.C94
 Strand -
 End 9636
 Method GENSCAN
 End 5527
 Score .48

Seq. No. 34037
 Gene No. 70447
 Start 274
 Name OJ000251_07.0216.C94.o6.tw
 Start 1135
 GI none
 Exons 1135..1467, 1244..1468

Seq. ID OJ000251_07.0216.C94
 Strand -
 End 9636
 Method TBLASTX:Wheat
 End 1468
 Score 87

Seq. No. 34037
 Gene No. 70447

Seq. ID OJ000251_07.0216.C94
 Strand -

Start	274	End	9636
Name	OJ000251_07.0216.C94.o1.tm	Method	TBLASTX:Maize
Start	1327	End	1912
GI	none	Score	260
Exons	1327..1755, 1340..1756, 1397..1756, 1611..1760, 1612..1815, 1749..1883, 1753..1911, 1757..1909, 1775..1912		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-
Start	274	End	9636
Name	OJ000251_07.0216.C94.o1.tw	Method	TBLASTX:Wheat
Start	1468	End	2079
GI	none	Score	319
Exons	1468..2079, 1469..2038		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-
Start	274	End	9636
Name	OJ000251_07.0216.C94.o4.tm	Method	TBLASTX:Maize
Start	1963	End	2254
GI	none	Score	241
Exons	1963..2253, 1967..2254		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-
Start	274	End	9636
Name	OJ000251_07.0216.C94.o2.ts	Method	TBLASTX:Soybean
Start	2056	End	2302
GI	none	Score	118
Exons	2056..2301, 2057..2302		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-
Start	274	End	9636
Name	OJ000251_07.0216.C94.o1.tc	Method	TBLASTX:Cress
Start	2078	End	2394
GI	none	Score	94
Exons	2078..2218, 2110..2220, 2221..2394, 2273..2386		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-
Start	274	End	9636
Name	OJ000251_07.0216.C94.o3.tw	Method	TBLASTX:Wheat
Start	2110	End	2589
GI	none	Score	280
Exons	2110..2589, 2114..2476, 2116..2565		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-
Start	274	End	9636
Name	OJ000251_07.0216.C94.o2.tw	Method	TBLASTX:Wheat
Start	2590	End	3093
GI	none	Score	299
Exons	2590..3093, 2591..3058, 2614..3060		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-

Start	274	End	9636
Name	OJ000251_07.0216.C94.o2.tm	Method	TBLASTX:Maize
Start	2668	End	3021
GI	none	Score	157
Exons	2668..3021, 2671..3018, 2681..3019		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-
Start	274	End	9636
Name	OJ000251_07.0216.C94.o3.ts	Method	TBLASTX:Soybean
Start	2842	End	3087
GI	none	Score	212
Exons	2842..3087		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-
Start	274	End	9636
Name	OJ000251_07.0216.C94.o3.tm	Method	TBLASTX:Maize
Start	3058	End	3558
GI	none	Score	45
Exons	3058..3393, 3104..3151, 3179..3307, 3376..3558		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-
Start	274	End	9636
Name	OJ000251_07.0216.C94.o5.tw	Method	TBLASTX:Wheat
Start	3094	End	3396
GI	none	Score	253
Exons	3094..3396, 3110..3394		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-
Start	274	End	9636
Name	OJ000251_07.0216.C94.o1.ts	Method	TBLASTX:Soybean
Start	3109	End	3504
GI	none	Score	231
Exons	3109..3468, 3110..3466, 3139..3468, 3472..3504, 3472..3504		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-
Start	274	End	9636
Name	OJ000251_07.0216.C94.o4.tw	Method	TBLASTX:Wheat
Start	3445	End	3928
GI	none	Score	91
Exons	3445..3684, 3488..3592, 3620..3682, 3671..3808, 3683..3928, 3702..3917		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-
Start	274	End	9636
Name	OJ000251_07.0216.C94.o5.tm	Method	TBLASTX:Maize
Start	3626	End	3919
GI	none	Score	50
Exons	3626..3661, 3628..3684, 3680..3919, 3702..3917		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-

Start	274	End	9636
Name	OJ000251_07.0216.C94.o8.tw	Method	TBLASTX:Wheat
Start	4100	End	4478
GI	none	Score	90
Exons	4100..4222, 4101..4211, 4106..4258, 4256..4477, 4356..4478		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-
Start	274	End	9636
Name	OJ000251_07.0216.C94.o6.tm	Method	TBLASTX:Maize
Start	4158	End	4483
GI	none	Score	64
Exons	4158..4292, 4160..4483, 4335..4436		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-
Start	274	End	9636
Name	OJ000251_07.0216.C94.o7.tw	Method	TBLASTX:Wheat
Start	5030	End	5393
GI	none	Score	107
Exons	5030..5176, 5201..5392, 5211..5393		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-
Start	274	End	9636
Name	OJ000251_07.0216.C94.o3.gs	Method	GENSCAN
Start	5877	End	9223
GI	none	Score	.47
Exons	5877..6358, 6437..6902, 6985..7104, 8099..8259, 9135..9223		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-
Start	274	End	9636
Name	OJ000251_07.0216.C94.o2.np	Method	AAT/NAP
Start	7307	End	9636
GI	5430752	Score	111
Exons	7307..7345, 9082..9391, 9448..9636		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	34037	Seq. ID	OJ000251_07.0216.C94
Gene No.	70447	Strand	-
Start	274	End	9636
Name	OJ000251_07.0216.C94.o1.gp	Method	AAT/GAP
Start	7884	End	8406
GI	LIB3434-038-P1-K1-F1	Score	765
Exons	7884..8406		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	34038	Seq. ID	OJ000251_07.0216.C95
Gene No.	70448	Strand	+
Start	3831	End	13298
Name	OJ000251_07.0216.C95.o2.gs	Method	GENSCAN
Start	3831	End	12416
GI	none	Score	.43
Exons	3831..3940, 4899..5084, 5100..5350, 5446..5701, 5866..5946, 6034..6286, 7783..8305, 8595..8684, 8844..8946, 9259..9463,		

9737..9934, 10156..11200, 11557..12416

Seq. No.	34038	Seq. ID	OJ000251_07.0216.C95
Gene No.	70448	Strand	+
Start	3831	End	13298
Name	OJ000251_07.0216.C95.o3.np	Method	AAT/NAP
Start	11657	End	13298
GI	4206306	Score	672
Exons	11657..13298		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	34038	Seq. ID	OJ000251_07.0216.C95
Gene No.	70449	Strand	-
Start	262	End	6248
Name	OJ000251_07.0216.C95.o1.gs	Method	GENSCAN
Start	262	End	3031
GI	none	Score	.53
Exons	262..765, 930..1123, 1222..1393, 1465..1667, 2406..2656, 2793..3031		

Seq. No.	34038	Seq. ID	OJ000251_07.0216.C95
Gene No.	70449	Strand	-
Start	262	End	6248
Name	OJ000251_07.0216.C95.o1.np	Method	AAT/NAP
Start	1901	End	6248
GI	5295955	Score	544
Exons	1901..2509, 2641..3070, 3753..3865, 6131..6248		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	34038	Seq. ID	OJ000251_07.0216.C95
Gene No.	70449	Strand	-
Start	262	End	6248
Name	OJ000251_07.0216.C95.o1.gp	Method	AAT/GAP
Start	4429	End	4994
GI	uC-osflcyp088b12b1	Score	165
Exons	4429..4537, 4966..4994		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	34038	Seq. ID	OJ000251_07.0216.C95
Gene No.	70450	Strand	-
Start	10981	End	11319
Name	OJ000251_07.0216.C95.o2.ts	Method	TBLASTX:Soybean
Start	10981	End	11319
GI	none	Score	186
Exons	10981..11319		

Seq. No.	34038	Seq. ID	OJ000251_07.0216.C95
Gene No.	70451	Strand	-
Start	11751	End	12717
Name	OJ000251_07.0216.C95.o2.tm	Method	TBLASTX:Maize
Start	11751	End	12074
GI	none	Score	212
Exons	11751..12074, 11798..12019		

Seq. No.	34038	Seq. ID	OJ000251_07.0216.C95
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Gene No.	70451	Strand	
Start	11751	End	12717
Name	OJ000251_07.0216.C95.o1.tw	Method	TBLASTX:Wheat
Start	11889	End	12260
GI	none	Score	81
Exons	11889..11945, 11894..11935, 11940..12074, 11948..12106, 12065..12217, 12069..12260, 12069..12260		

Seq. No.	34038	Seq. ID	OJ000251_07.0216.C95
Gene No.	70451	Strand	
Start	11751	End	12717
Name	OJ000251_07.0216.C95.o1.tm	Method	TBLASTX:Maize
Start	12129	End	12587
GI	none	Score	527
Exons	12129..12587, 12129..12524, 12464..12586		

Seq. No.	34038	Seq. ID	OJ000251_07.0216.C95
Gene No.	70451	Strand	
Start	11751	End	12717
Name	OJ000251_07.0216.C95.o2.tw	Method	TBLASTX:Wheat
Start	12261	End	12656
GI	none	Score	182
Exons	12261..12581, 12341..12388, 12366..12476, 12576..12656		

Seq. No.	34038	Seq. ID	OJ000251_07.0216.C95
Gene No.	70451	Strand	
Start	11751	End	12717
Name	OJ000251_07.0216.C95.o1.ts	Method	TBLASTX:Soybean
Start	12276	End	12717
GI	none	Score	202
Exons	12276..12557, 12276..12410, 12562..12717, 12603..12716		

Seq. No.	34039	Seq. ID	OJ000251_07.0216.C99
Gene No.	70452	Strand	+
Start	118	End	244
Name	OJ000251_07.0216.C99.o1.gs	Method	GENSCAN
Start	118	End	244
GI	none	Score	.46
Exons	118..244		

Seq. No.	34040	Seq. ID	OJ000251_07.0216.C103
Gene No.	70453	Strand	+
Start	1	End	1475
Name	OJ000251_07.0216.C103.o1.np	Method	AAT/NAP
Start	1	End	1475
GI	6623973	Score	770
Exons	1..1074, 1450..1475		
GI Descrip.	(AC007505) Highly similar to Tal-3 polyprotein [Arabidopsis thaliana]		

Seq. No.	34040	Seq. ID	OJ000251_07.0216.C103
Gene No.	70453	Strand	+
Start	1	End	1475
Name	OJ000251_07.0216.C103.o1.gs	Method	GENSCAN
Start	94	End	815
GI	none	Score	.74
Exons	94..318, 523..815		

Seq. No.	34040	Seq. ID	OJ000251_07.0216.C103
Gene No.	70453	Strand	+
Start	1	End	1475
Name	OJ000251_07.0216.C103.ol.tm	Method	TBLASTX:Maize
Start	348	End	842
GI	none	Score	296
Exons	348..842, 546..689, 560..730		

Seq. No.	34040	Seq. ID	OJ000251_07.0216.C103
Gene No.	70453	Strand	+
Start	1	End	1475
Name	OJ000251_07.0216.C103.ol.tw	Method	TBLASTX:Wheat
Start	356	End	980
GI	none	Score	308
Exons	356..739, 357..809, 918..980		

Seq. No.	34040	Seq. ID	OJ000251_07.0216.C103
Gene No.	70453	Strand	+
Start	1	End	1475
Name	OJ000251_07.0216.C103.ol.ts	Method	TBLASTX:Soybean
Start	591	End	1001
GI	none	Score	226
Exons	591..920, 599..730, 906..1001		

Seq. No.	34041	Seq. ID	OJ000251_07.0216.C107
Gene No.	70454	Strand	+
Start	1	End	385
Name	OJ000251_07.0216.C107.ol.np	Method	AAT/NAP
Start	1	End	385
GI	6539586	Score	394
Exons	1..385		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	34041	Seq. ID	OJ000251_07.0216.C107
Gene No.	70455	Strand	-
Start	33	End	262
Name	OJ000251_07.0216.C107.ol.gs	Method	GENSCAN
Start	33	End	262
GI	none	Score	.83
Exons	33..262		

Seq. No.	34042	Seq. ID	OJ000251_01.0216.C1
Gene No.	70456	Strand	+
Start	1	End	190
Name	OJ000251_01.0216.C1.ol.gp	Method	AAT/GAP
Start	1	End	190
GI	2669_1.R1084	Score	323
Exons	1..190		
GI Descrip.	'3914470/sp Q40070 PSBR HORVU 8.0e-26 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]'		

Seq. No.	34042	Seq. ID	OJ000251_01.0216.C1
Gene No.	70457	Strand	+
Start	222	End	1335
Name	OJ000251_01.0216.C1.ol.tm	Method	TBLASTX:Maize

Start 1
GI none
Exons 1..171, 2..172, 2..184

End 184
Score 277

Seq. No. 34042
Gene No. 70457
Start 222
Name OJ000251_01.0216.C1.o1.tw
Start 1
GI none
Exons 1..108, 2..109, 2..109

Seq. ID OJ000251_01.0216.C1
Strand +
End 1335
Method TBLASTX:Wheat
End 109
Score 179

Seq. No. 34042
Gene No. 70457
Start 222
Name OJ000251_01.0216.C1.o4.tc
Start 2
GI none
Exons 2..58, 2..46, 3..47, 47..166, 48..170, 49..171, 50..175

Seq. ID OJ000251_01.0216.C1
Strand +
End 1335
Method TBLASTX:Cress
End 175
Score 90

Seq. No. 34042
Gene No. 70457
Start 222
Name OJ000251_01.0216.C1.o2.ts
Start 5
GI none
Exons 5..67, 21..47, 22..72, 72..134, 83..136, 84..134, 85..135, 137..229, 143..238, 147..221, 149..226, 218..271, 219..272, 232..285, 268..297, 276..392, 304..360, 311..391

Seq. ID OJ000251_01.0216.C1
Strand +
End 1335
Method TBLASTX:Soybean
End 392
Score 44

Seq. No. 34042
Gene No. 70457
Start 222
Name OJ000251_01.0216.C1.o2.tc
Start 184
GI none
Exons 184..309, 184..309, 304..360, 311..352, 311..448, 312..392, 395..496, 396..509, 411..509, 412..522, 421..534, 506..538, 510..539, 510..545

Seq. ID OJ000251_01.0216.C1
Strand +
End 1335
Method TBLASTX:Cress
End 545
Score 161

Seq. No. 34042
Gene No. 70457
Start 222
Name OJ000251_01.0216.C1.o2.gp
Start 222
GI 688_1.R1084
Exons 222..1162
GI Descrip. '226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'

Seq. ID OJ000251_01.0216.C1
Strand +
End 1335
Method AAT/GAP
End 1162
Score 1831

Seq. No. 34042
Gene No. 70457
Start 222
Name OJ000251_01.0216.C1.o1.ts
Start 644
GI none
Exons 644..730, 645..731, 646..774, 716..922, 726..914, 730..921,

Seq. ID OJ000251_01.0216.C1
Strand +
End 1335
Method TBLASTX:Soybean
End 1278
Score 136

891..1037, 907..1041, 912..1034, 916..1044, 1020..1124,
1033..1125, 1034..1123, 1036..1125, 1127..1276, 1128..1277,
1128..1277, 1129..1278, 1129..1278

Seq. No.	34042	Seq. ID	OJ000251_01.0216.C1
Gene No.	70457	Strand	+
Start	222	End	1335
Name	OJ000251_01.0216.C1.o1.tc	Method	TBLASTX:Cress
Start	656	End	1030
GI	none	Score	122
Exons	656..730, 657..731, 716..919, 726..920, 727..921, 917..991, 917..1030, 918..1028, 919..1029		

Seq. No.	34042	Seq. ID	OJ000251_01.0216.C1
Gene No.	70457	Strand	+
Start	222	End	1335
Name	OJ000251_01.0216.C1.o3.tc	Method	TBLASTX:Cress
Start	1043	End	1335
GI	none	Score	136
Exons	1043..1126, 1043..1123, 1045..1125, 1127..1189, 1127..1189, 1128..1223, 1129..1215, 1172..1318, 1212..1319, 1213..1335, 1213..1320		

Seq. No.	34043	Seq. ID	OJ000251_01.0216.C2
Gene No.	70458	Strand	+
Start	1	End	199
Name	OJ000251_01.0216.C2.o1.gp	Method	AAT/GAP
Start	1	End	199
GI	688_1.R1084	Score	382
Exons	1..199		
GI Descrip.	'226661/prf 1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	34043	Seq. ID	OJ000251_01.0216.C2
Gene No.	70459	Strand	-
Start	845	End	1645
Name	OJ000251_01.0216.C2.o1.ts	Method	TBLASTX:Soybean
Start	1	End	316
GI	none	Score	114
Exons	1..72, 2..70, 3..80, 3..77, 56..316, 72..314		

Seq. No.	34043	Seq. ID	OJ000251_01.0216.C2
Gene No.	70459	Strand	-
Start	845	End	1645
Name	OJ000251_01.0216.C2.o1.tc	Method	TBLASTX:Cress
Start	79	End	636
GI	none	Score	248
Exons	79..252, 80..226, 81..260, 209..541, 249..515, 249..572, 251..520, 516..605, 519..608, 607..636		

Seq. No.	34043	Seq. ID	OJ000251_01.0216.C2
Gene No.	70459	Strand	-
Start	845	End	1645
Name	OJ000251_01.0216.C2.o2.ts	Method	TBLASTX:Soybean
Start	655	End	899
GI	none	Score	72
Exons	655..714, 656..715, 656..715, 722..778, 724..777, 762..899,		

767..898, 768..899

Seq. No.	34043	Seq. ID	OJ000251_01.0216.C2
Gene No.	70459	Strand	-
Start	845	End	1645
Name	OJ000251_01.0216.C2.o2.gp	Method	AAT/GAP
Start	845	End	1314
GI	uC-osflcyp097b05b1	Score	907
Exons	845..1314		
GI Descrip.	'140503/sp P12173 YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir_JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945 (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915 (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf_1603356CL trnI intron ORF 133 [Oryza'		

Seq. No.	34043	Seq. ID	OJ000251_01.0216.C2
Gene No.	70459	Strand	-
Start	845	End	1645
Name	OJ000251_01.0216.C2.o1.tm	Method	TBLASTX:Maize
Start	1111	End	1622
GI	none	Score	432
Exons	1111..1383, 1113..1412, 1341..1421, 1358..1438, 1362..1424, 1426..1620, 1431..1622, 1431..1622		

Seq. No.	34043	Seq. ID	OJ000251_01.0216.C2
Gene No.	70459	Strand	-
Start	845	End	1645
Name	OJ000251_01.0216.C2.o2.tc	Method	TBLASTX:Cress
Start	1277	End	1625
GI	none	Score	116
Exons	1277..1354, 1278..1355, 1278..1364, 1279..1362, 1342..1371, 1357..1401, 1362..1403, 1373..1426, 1377..1424, 1455..1526, 1456..1542, 1530..1625, 1531..1623		

Seq. No.	34043	Seq. ID	OJ000251_01.0216.C2
Gene No.	70459	Strand	-
Start	845	End	1645
Name	OJ000251_01.0216.C2.o3.ts	Method	TBLASTX:Soybean
Start	1310	End	1645
GI	none	Score	46
Exons	1310..1354, 1311..1349, 1312..1356, 1359..1394, 1360..1395, 1473..1526, 1477..1542, 1477..1539, 1530..1625, 1532..1633, 1532..1624, 1625..1645		

Seq. No.	34044	Seq. ID	OJ000251_01.0216.C4
Gene No.	70460	Strand	+
Start	65	End	134
Name	OJ000251_01.0216.C4.o1.gp	Method	AAT/GAP
Start	65	End	134
GI	L1B3477-011-P1-K1-C10	Score	110
Exons	65..134		
GI Descrip.	'114657/sp P12083 ATPI_ORYSA 2.0e-34 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir_LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990 (X15901) ATPase a subunit [Oryza sativa]		

>gi_226693_prf__1603356U ATPase a [Oryza sativa]'

Seq. No.	34044	Seq. ID	OJ000251_01.0216.C4
Gene No.	70461	Strand	-
Start	799	End	1566
Name	OJ000251_01.0216.C4.o3.tm	Method	TBLASTX:Maize
Start	70	End	298
GI	none	Score	154
Exons	70..213, 71..226, 72..242, 207..230, 229..270, 230..271, 273..296, 275..298		

Seq. No.	34044	Seq. ID	OJ000251_01.0216.C4
Gene No.	70461	Strand	-
Start	799	End	1566
Name	OJ000251_01.0216.C4.o1.tm	Method	TBLASTX:Maize
Start	385	End	1336
GI	none	Score	186
Exons	385..552, 400..429, 420..545, 422..553, 529..609, 562..660, 601..663, 637..729, 662..733, 663..734, 665..733, 738..779, 738..776, 765..821, 766..822, 775..822, 803..889, 814..1185, 816..1184, 954..1208, 1192..1236, 1194..1238, 1222..1326, 1237..1335, 1238..1336		

Seq. No.	34044	Seq. ID	OJ000251_01.0216.C4
Gene No.	70461	Strand	-
Start	799	End	1566
Name	OJ000251_01.0216.C4.o1.ts	Method	TBLASTX:Soybean
Start	678	End	1565
GI	none	Score	44
Exons	678..740, 765..833, 810..1097, 823..1095, 955..1101, 1122..1190, 1530..1565		

Seq. No.	34044	Seq. ID	OJ000251_01.0216.C4
Gene No.	70461	Strand	-
Start	799	End	1566
Name	OJ000251_01.0216.C4.o1.tc	Method	TBLASTX:Cress
Start	789	End	1095
GI	none	Score	328
Exons	789..1085, 790..1095, 955..1095		

Seq. No.	34044	Seq. ID	OJ000251_01.0216.C4
Gene No.	70461	Strand	-
Start	799	End	1566
Name	OJ000251_01.0216.C4.o2.gp	Method	AAT/GAP
Start	799	End	1566
GI	2721_1.R1084	Score	1488
Exons	799..1566		
GI Descrip.	'114622/sp P12087 ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir_LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_(X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		

Seq. No.	34044	Seq. ID	OJ000251_01.0216.C4
Gene No.	70461	Strand	-
Start	799	End	1566
Name	OJ000251_01.0216.C4.o2.tm	Method	TBLASTX:Maize

Start	1337	End	1565
GI	none	Score	157
Exons	1337..1486, 1338..1487, 1338..1424, 1415..1447, 1428..1565, 1472..1564, 1473..1565		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70462	Strand	+
Start	1099	End	1645
Name	OJ000251_01.0216.C5.o2.gp	Method	AAT/GAP
Start	1099	End	1645
GI	5005311	Score	1047
Exons	1099..1645		
GI Descrip.	114521/sp P12084 ATPA_ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir_PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993 (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf_1603356X ATPase alpha [Oryza sativa]		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70463	Strand	+
Start	2213	End	2629
Name	OJ000251_01.0216.C5.o3.gp	Method	AAT/GAP
Start	2213	End	2629
GI	LIB3431-040-P1-K2-C1	Score	734
Exons	2213..2629		
GI Descrip.	'114521/sp P12084 ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir_PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993 (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf_1603356X ATPase alpha [Oryza sativa]'		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70464	Strand	-
Start	1	End	488
Name	OJ000251_01.0216.C5.o1.gp	Method	AAT/GAP
Start	1	End	488
GI	2135_1.R1084	Score	960
Exons	1..488		
GI Descrip.	'11957/emb X15901 CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o2.tm	Method	TBLASTX:Maize
Start	1	End	1055
GI	none	Score	72
Exons	1..42, 1..54, 2..64, 4..150, 46..150, 47..151, 60..155, 143..220, 144..224, 151..228, 181..291, 184..297, 212..313, 235..450, 271..396, 296..442, 399..485, 453..983, 472..993, 712..993, 988..1041, 988..1047, 993..1055		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o2.tw	Method	TBLASTX:Wheat
Start	1	End	249

GI	none	Score	70
Exons	1..48, 1..48, 2..49, 23..133, 51..134, 52..135, 52..132, 53..133, 132..218, 135..215, 136..222, 145..249, 208..240, 212..247		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o2.ts	Method	TBLASTX:Soybean
Start	13	End	1953
GI	none	Score	45
Exons	13..57, 13..60, 79..126, 79..120, 86..121, 148..216, 150..218, 151..222, 158..217, 307..324, 406..447, 413..442, 483..983, 487..981, 1003..1038, 1043..1606, 1054..1953, 1233..1886, 1733..1888, 1884..1952		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o1.tw	Method	TBLASTX:Wheat
Start	471	End	916
GI	none	Score	120
Exons	471..557, 472..555, 485..565, 489..557, 561..911, 563..901, 566..916		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o1.tc	Method	TBLASTX:Cress
Start	579	End	1554
GI	none	Score	260
Exons	579..953, 579..983, 580..990, 1043..1540, 1057..1554, 1233..1553		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o4.tm	Method	TBLASTX:Maize
Start	1099	End	1412
GI	none	Score	260
Exons	1099..1410, 1236..1280, 1341..1412		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o10.tc	Method	TBLASTX:Cress
Start	1559	End	1829
GI	none	Score	57
Exons	1559..1741, 1563..1829, 1564..1821		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o9.tc	Method	TBLASTX:Cress
Start	1912	End	2052
GI	none	Score	229
Exons	1912..2052, 1914..2051		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o4.ts	Method	TBLASTX:Soybean
Start	2172	End	2602
GI	none	Score	457
Exons	2172..2558, 2173..2595, 2173..2595, 2357..2602		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o7.tc	Method	TBLASTX:Cress
Start	2172	End	2805
GI	none	Score	431
Exons	2172..2558, 2173..2601, 2182..2601, 2366..2602, 2729..2794, 2733..2804, 2733..2801, 2734..2805		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o6.tc	Method	TBLASTX:Cress
Start	3063	End	3744
GI	none	Score	74
Exons	3063..3122, 3063..3146, 3064..3144, 3172..3369, 3174..3368, 3174..3374, 3175..3369, 3388..3519, 3423..3491, 3634..3744, 3660..3743		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o1.ts	Method	TBLASTX:Soybean
Start	3391	End	6133
GI	none	Score	117
Exons	3391..3537, 3423..3488, 3610..4614, 3610..4605, 3660..4619, 4606..4794, 4606..4674, 4607..4906, 4608..4871, 4828..4905, 5907..5978, 5990..6133, 6008..6097		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o1.tm	Method	TBLASTX:Maize
Start	3409	End	6133
GI	none	Score	164
Exons	3409..3507, 3423..3506, 3508..3525, 3509..3535, 3567..3614, 3568..3621, 3569..3625, 3584..3625, 3619..4614, 3623..4123, 3628..4605, 3660..4619, 4607..5059, 4607..5191, 4828..5181, 5109..5192, 5157..5252, 5162..5269, 5167..5247, 5171..5251, 5990..6133, 6008..6106		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o2.tc	Method	TBLASTX:Cress
Start	3786	End	6133
GI	none	Score	266
Exons	3786..3953, 3787..3951, 3924..4334, 3947..4123, 3952..4332, 3954..4334, 3955..4335, 6002..6133, 6008..6106		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o3.tc	Method	TBLASTX:Cress
Start	4336	End	4867
GI	none	Score	401
Exons	4336..4626, 4338..4619, 4605..4817, 4607..4867, 4608..4856		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o4.gp	Method	AAT/GAP
Start	4865	End	5295
GI	uC-osflcyp021g10b1	Score	766
Exons	4865..5295		
GI Descrip.	'131148/sp P12156 PSAB_ORYSA 6.0e-59 PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A2 >gi_72674_pir_A2RZP7 photosystem I P700 apoprotein A2 - rice chloroplast >gi_11981_emb_CAA33995_ (X15901) PSI P700 apoprotein A2 [Oryza sativa] >gi_226604_prf_1603356AA photosystem I P700 apoprotein A2 [Oryza sativa]'		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o5.tc	Method	TBLASTX:Cress
Start	4872	End	5282
GI	none	Score	196
Exons	4872..5276, 4873..5277, 4874..5059, 4874..5281, 4908..5060, 5104..5277, 5109..5282		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o3.ts	Method	TBLASTX:Soybean
Start	4906	End	5391
GI	none	Score	163
Exons	4906..5166, 4907..5059, 4907..5380, 4908..5060, 4909..5061, 5104..5157, 5109..5381, 5114..5383, 5194..5391		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o3.tm	Method	TBLASTX:Maize
Start	5269	End	5607
GI	none	Score	431
Exons	5269..5385, 5270..5596, 5270..5596, 5271..5597, 5425..5598, 5545..5607		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o5.ts	Method	TBLASTX:Soybean
Start	5394	End	5643
GI	none	Score	352
Exons	5394..5642, 5394..5489, 5423..5641, 5538..5642, 5545..5643		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o4.tc	Method	TBLASTX:Cress
Start	5415	End	5812
GI	none	Score	542
Exons	5415..5810, 5415..5810, 5423..5812, 5423..5812		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o5.tm	Method	TBLASTX:Maize
Start	5661	End	5808
GI	none	Score	172
Exons	5661..5807, 5661..5807, 5662..5808		

Seq. No.	34045	Seq. ID	OJ000251_01.0216.C5
Gene No.	70465	Strand	-
Start	4865	End	6133
Name	OJ000251_01.0216.C5.o8.tc	Method	TBLASTX:Cress
Start	5814	End	5999
GI	none	Score	141
Exons	5814..5906, 5814..5906, 5815..5922, 5883..5999, 5900..5998		

Seq. No.	34046	Seq. ID	OJ000251_01.0216.C6
Gene No.	70466	Strand	-
Start	2	End	277
Name	OJ000251_01.0216.C6.o2.tm	Method	TBLASTX:Maize
Start	2	End	277
GI	none	Score	123
Exons	2..19, 6..92, 10..93, 103..141, 103..138, 104..142, 140..196, 150..200, 150..212, 187..252, 202..252, 202..276, 206..259, 245..277		

Seq. No.	34046	Seq. ID	OJ000251_01.0216.C6
Gene No.	70467	Strand	-
Start	279	End	646
Name	OJ000251_01.0216.C6.o1.tm	Method	TBLASTX:Maize
Start	279	End	646
GI	none	Score	291
Exons	279..299, 283..567, 303..434, 322..570, 480..575, 566..646, 569..646		

Seq. No.	34047	Seq. ID	OJ000251_01.0216.C7
Gene No.	70468	Strand	+
Start	39	End	755
Name	OJ000251_01.0216.C7.o1.gp	Method	AAT/GAP
Start	39	End	603
GI	688_1.R1084	Score	1088
Exons	39..603		
GI Descrip.	'226661/prf 1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	34047	Seq. ID	OJ000251_01.0216.C7
Gene No.	70468	Strand	+
Start	39	End	755

Name	OJ000251_01.0216.C7.o1.ts	Method	TBLASTX:Soybean
Start	84	End	720
GI	none	Score	63
Exons	84..170, 84..170, 85..171, 85..171, 156..362, 166..354, 170..361, 331..477, 347..481, 351..431, 352..474, 356..484, 460..720, 476..718		

Seq. No.	34047	Seq. ID	OJ000251_01.0216.C7
Gene No.	70468	Strand	+
Start	39	End	755
Name	OJ000251_01.0216.C7.o1.tc	Method	TBLASTX:Cress
Start	96	End	470
GI	none	Score	122
Exons	96..170, 97..171, 97..171, 156..359, 166..360, 167..361, 357..431, 357..470, 358..468		

Seq. No.	34047	Seq. ID	OJ000251_01.0216.C7
Gene No.	70468	Strand	+
Start	39	End	755
Name	OJ000251_01.0216.C7.o2.tc	Method	TBLASTX:Cress
Start	483	End	755
GI	none	Score	248
Exons	483..656, 484..630, 485..664, 613..753, 654..755, 654..755		

Seq. No.	34048	Seq. ID	OJ000251_01.0216.C8
Gene No.	70469	Strand	+
Start	104	End	688
Name	OJ000251_01.0216.C8.o1.tm	Method	TBLASTX:Maize
Start	44	End	461
GI	none	Score	591
Exons	44..460, 45..461, 45..461		

Seq. No.	34048	Seq. ID	OJ000251_01.0216.C8
Gene No.	70469	Strand	+
Start	104	End	688
Name	OJ000251_01.0216.C8.o1.tw	Method	TBLASTX:Wheat
Start	44	End	355
GI	none	Score	288
Exons	44..226, 45..227, 46..228, 127..228, 230..355, 233..352, 235..354		

Seq. No.	34048	Seq. ID	OJ000251_01.0216.C8
Gene No.	70469	Strand	+
Start	104	End	688
Name	OJ000251_01.0216.C8.o1.gp	Method	AAT/GAP
Start	104	End	545
GI	uC-osf1M202092b08b1	Score	831
Exons	104..545		
GI Descrip.	'118048/sp P07888 CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir_CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_(X15901) cytochrome f [Oryza sativa] >gi_226621_prf_1603356AU cytochrome f [Oryza sativa]'		

Seq. No.	34048	Seq. ID	OJ000251_01.0216.C8
Gene No.	70469	Strand	+
Start	104	End	688

Name	OJ000251_01.0216.C8.o1.tc	Method	TBLASTX:Cress
Start	154	End	688
GI	none	Score	219
Exons	154..363, 160..687, 161..688		

Seq. No.	34048	Seq. ID	OJ000251_01.0216.C8
Gene No.	70469	Strand	+
Start	104	End	688
Name	OJ000251_01.0216.C8.o1.ts	Method	TBLASTX:Soybean
Start	154	End	688
GI	none	Score	202
Exons	154..363, 160..687, 161..688		

Seq. No.	34048	Seq. ID	OJ000251_01.0216.C8
Gene No.	70469	Strand	+
Start	104	End	688
Name	OJ000251_01.0216.C8.o2.tm	Method	TBLASTX:Maize
Start	461	End	629
GI	none	Score	273
Exons	461..628, 462..629, 464..628		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70470	Strand	+
Start	1	End	752
Name	OJ000251_01.0216.C9.o1.gp	Method	AAT/GAP
Start	1	End	752
GI	14384_1.R1084	Score	1211
Exons	1..639, 725..752		
GI Descrip.	'5881726/dbj BAA84417.1 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70471	Strand	+
Start	2569	End	3192
Name	OJ000251_01.0216.C9.o2.gp	Method	AAT/GAP
Start	2569	End	3192
GI	7528_2.R1084	Score	1143
Exons	2569..3192		
GI Descrip.	'140291/sp P12206 YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir_S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_(X15901) ORF185 [Oryza sativa] >gi_226618_prf_1603356AQ ORF 185 [Oryza sativa]'		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70472	Strand	+
Start	4603	End	5044
Name	OJ000251_01.0216.C9.o4.gp	Method	AAT/GAP
Start	4603	End	5044
GI	uC-osflM202092b08b1	Score	831
Exons	4603..5044		
GI Descrip.	'118048/sp P07888 CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir_CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_(X15901) cytochrome f [Oryza sativa] >gi_226621_prf_1603356AU cytochrome f [Oryza sativa]'		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
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Gene No.	70473	Strand	-
Start	3196	End	4103
Name	OJ000251_01.0216.C9.o1.tw	Method	TBLASTX:Wheat
Start	1	End	592
GI	none	Score	331
Exons	1..195, 3..194, 40..195, 178..546, 185..592, 185..586		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70473	Strand	-
Start	3196	End	4103
Name	OJ000251_01.0216.C9.o4.tm	Method	TBLASTX:Maize
Start	186	End	723
GI	none	Score	314
Exons	186..554, 193..402, 209..556, 212..556, 664..723, 668..721		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70473	Strand	-
Start	3196	End	4103
Name	OJ000251_01.0216.C9.o4.tc	Method	TBLASTX:Cress
Start	307	End	576
GI	none	Score	353
Exons	307..438, 308..574, 308..574, 309..575, 475..576		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70473	Strand	-
Start	3196	End	4103
Name	OJ000251_01.0216.C9.o10.tm	Method	TBLASTX:Maize
Start	864	End	1608
GI	none	Score	53
Exons	864..896, 865..915, 869..901, 890..922, 891..923, 908..1012, 908..994, 922..1014, 1546..1608		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70473	Strand	-
Start	3196	End	4103
Name	OJ000251_01.0216.C9.o2.ts	Method	TBLASTX:Soybean
Start	1612	End	4103
GI	none	Score	140
Exons	1612..1833, 1671..1790, 2293..2430, 2295..2384, 2305..2391, 2306..2392, 2752..2913, 2757..2897, 2901..3104, 2909..2950, 2935..3150, 2935..3147, 3170..3232, 3173..3232, 3181..3237, 3259..3318, 3259..3336, 3632..3700, 3644..3703, 3646..3708, 3725..4099, 3729..4103, 3735..3839, 3755..4102, 3918..4103		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70473	Strand	-
Start	3196	End	4103
Name	OJ000251_01.0216.C9.o5.tm	Method	TBLASTX:Maize
Start	2247	End	2677
GI	none	Score	273
Exons	2247..2426, 2253..2426, 2429..2527, 2429..2509, 2430..2543, 2516..2593, 2524..2595, 2527..2595, 2529..2615, 2563..2661, 2585..2662, 2588..2677, 2592..2663		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70473	Strand	-
Start	3196	End	4103

Name	OJ000251_01.0216.C9.o2.tc	Method	TBLASTX:Cress
Start	2758	End	4099
GI	none	Score	341
Exons	2758..3243, 2760..3140, 2760..3248, 2761..3249, 3183..3251, 3230..3319, 3235..3318, 3647..3721, 3721..4080, 3722..4099, 3726..4097		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70473	Strand	-
Start	3196	End	4103
Name	OJ000251_01.0216.C9.o2.tm	Method	TBLASTX:Maize
Start	2916	End	3513
GI	none	Score	46
Exons	2916..2948, 2917..2949, 2927..3334, 2932..3336, 2935..3336, 3422..3445, 3423..3446, 3441..3488, 3442..3489, 3444..3488, 3481..3513, 3485..3505		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70473	Strand	-
Start	3196	End	4103
Name	OJ000251_01.0216.C9.o3.gp	Method	AAT/GAP
Start	3196	End	3733
GI	2653.1.R1084	Score	1052

Exons	3196..3733
GI Descrip.	'11998/emb CAA33959 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf_1603356AR ORF 85A [Oryza sativa]'

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70474	Strand	-
Start	4107	End	5747
Name	OJ000251_01.0216.C9.o1.ts	Method	TBLASTX:Soybean
Start	4107	End	5642
GI	none	Score	332
Exons	4107..4424, 4127..4432, 4653..4862, 4659..5222, 4660..5226, 5160..5642, 5217..5633, 5303..5641		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70474	Strand	-
Start	4107	End	5747
Name	OJ000251_01.0216.C9.o7.tc	Method	TBLASTX:Cress
Start	4119	End	4336
GI	none	Score	228
Exons	4119..4334, 4121..4336		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70474	Strand	-
Start	4107	End	5747
Name	OJ000251_01.0216.C9.o1.tc	Method	TBLASTX:Cress
Start	4337	End	5604
GI	none	Score	91
Exons	4337..4417, 4338..4409, 4653..4862, 4659..5222, 4660..5226, 4664..5233, 4920..5234, 5160..5447, 5227..5421, 5306..5425, 5544..5600, 5544..5600, 5545..5601, 5551..5604		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70474	Strand	-
Start	4107	End	5747

Name	OJ000251_01.0216.C9.o4.tw	Method	TBLASTX:Wheat
Start	4428	End	4854
GI	none	Score	39
Exons	4428..4454, 4429..4464, 4430..4468, 4458..4529, 4459..4578, 4474..4599, 4514..4726, 4532..4696, 4534..4725, 4626..4727, 4729..4854, 4732..4851, 4734..4853		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70474	Strand	
Start	4107	End	5747
Name	OJ000251_01.0216.C9.o3.tm	Method	TBLASTX:Maize
Start	4480	End	4960
GI	none	Score	58
Exons	4480..4518, 4482..4526, 4515..4862, 4516..4959, 4520..4960		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70474	Strand	
Start	4107	End	5747
Name	OJ000251_01.0216.C9.o7.tm	Method	TBLASTX:Maize
Start	4961	End	5129
GI	none	Score	273
Exons	4961..5128, 4962..5129, 4963..5127		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70474	Strand	
Start	4107	End	5747
Name	OJ000251_01.0216.C9.o5.tw	Method	TBLASTX:Wheat
Start	5420	End	5747
GI	none	Score	377
Exons	5420..5683, 5426..5746, 5427..5747, 5427..5747		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70475	Strand	
Start	6566	End	6903
Name	OJ000251_01.0216.C9.o5.tc	Method	TBLASTX:Cress
Start	6566	End	6903
GI	none	Score	273
Exons	6566..6811, 6569..6811, 6850..6903, 6851..6901		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70475	Strand	
Start	6566	End	6903
Name	OJ000251_01.0216.C9.o6.tm	Method	TBLASTX:Maize
Start	6620	End	6903
GI	none	Score	364
Exons	6620..6835, 6620..6874, 6835..6903, 6836..6901, 6837..6902		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70476	Strand	
Start	6855	End	7957
Name	OJ000251_01.0216.C9.o2.tw	Method	TBLASTX:Wheat
Start	6855	End	7297
GI	none	Score	667
Exons	6855..7295, 6856..7281, 6857..7297		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70476	Strand	

Start	6855	End	7957
Name	OJ000251_01.0216.C9.o3.tc	Method	TBLASTX:Cress
Start	6942	End	7519
GI	none	Score	66
Exons	6942..6998, 6942..6995, 6943..6999, 6944..7000, 7001..7129, 7002..7130, 7002..7130, 7003..7131, 7132..7320, 7135..7344, 7137..7343, 7331..7408, 7345..7422, 7347..7412, 7412..7444, 7416..7445, 7448..7519, 7452..7514		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70476	Strand	
Start	6855	End	7957
Name	OJ000251_01.0216.C9.o9.tm	Method	TBLASTX:Maize
Start	7361	End	7513
GI	none	Score	89
Exons	7361..7414, 7361..7408, 7362..7430, 7363..7422, 7409..7468, 7415..7468, 7416..7469, 7416..7469, 7469..7513, 7472..7513		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70476	Strand	
Start	6855	End	7957
Name	OJ000251_01.0216.C9.o6.tw	Method	TBLASTX:Wheat
Start	7374	End	7775
GI	none	Score	79
Exons	7374..7424, 7374..7448, 7375..7425, 7395..7610, 7407..7610, 7604..7750, 7629..7772, 7650..7775		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70476	Strand	
Start	6855	End	7957
Name	OJ000251_01.0216.C9.o8.tm	Method	TBLASTX:Maize
Start	7549	End	7957
GI	none	Score	58
Exons	7549..7620, 7567..7620, 7571..7627, 7572..7625, 7600..7692, 7632..7688, 7633..7692, 7686..7727, 7699..7764, 7704..7766, 7707..7769, 7773..7850, 7774..7845, 7880..7957, 7882..7944		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70477	Strand	
Start	8137	End	9042
Name	OJ000251_01.0216.C9.o3.tw	Method	TBLASTX:Wheat
Start	8137	End	8733
GI	none	Score	136
Exons	8137..8265, 8141..8266, 8142..8237, 8144..8266, 8290..8331, 8305..8370, 8324..8407, 8329..8406, 8381..8458, 8409..8456, 8410..8460, 8411..8458, 8443..8568, 8444..8569, 8448..8567, 8456..8569, 8557..8733, 8562..8732		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70477	Strand	
Start	8137	End	9042
Name	OJ000251_01.0216.C9.o1.tm	Method	TBLASTX:Maize
Start	8299	End	9042
GI	none	Score	139
Exons	8299..8457, 8324..8449, 8326..8475, 8331..8471, 8444..8530, 8445..8528, 8524..8694, 8526..8696, 8711..8743, 8712..8765, 8738..8764, 8746..8775, 8762..8869, 8763..8831, 8827..9042,		

8829..9035, 8830..9036

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70477	Strand	
Start	8137	End	9042
Name	OJ000251_01.0216.C9.o6.tc	Method	TBLASTX:Cress
Start	8626	End	8968
GI	none	Score	74
Exons	8626..8712, 8628..8693, 8768..8833, 8771..8833, 8843..8968, 8854..8964		

Seq. No.	34049	Seq. ID	OJ000251_01.0216.C9
Gene No.	70477	Strand	
Start	8137	End	9042
Name	OJ000251_01.0216.C9.o3.ts	Method	TBLASTX:Soybean
Start	8768	End	8983
GI	none	Score	230
Exons	8768..8833, 8827..8982, 8828..8983		

Seq. No.	34050	Seq. ID	OJ000251_01.0216.C10
Gene No.	70478	Strand	+
Start	113	End	635
Name	OJ000251_01.0216.C10.o1.gp	Method	AAT/GAP
Start	113	End	635
GI	uC-osflm202104g03b1	Score	1026
Exons	113..635		
GI Descrip.	'131211/sp P19443 PSAJ_MAIZE 6.0e-10 PHOTOSYSTEM I REACTION CENTRE SUBUNIT IX (PSI-J) >gi_1363533_pir_S58571 photosystem I protein psaJ - maize chloroplast >gi_552734 (J04502) ORF42 [Zea mays] >gi_902241_emb_CAA60305_ (X86563) psaJ [Zea mays]'		

Seq. No.	34050	Seq. ID	OJ000251_01.0216.C10
Gene No.	70479	Strand	-
Start	2951	End	3290
Name	OJ000251_01.0216.C10.o1.tw	Method	TBLASTX:Wheat
Start	10	End	398
GI	none	Score	83
Exons	10..69, 11..88, 52..90, 113..361, 117..383, 123..398		

Seq. No.	34050	Seq. ID	OJ000251_01.0216.C10
Gene No.	70479	Strand	-
Start	2951	End	3290
Name	OJ000251_01.0216.C10.o2.tm	Method	TBLASTX:Maize
Start	95	End	410
GI	none	Score	380
Exons	95..403, 96..410, 96..410		

Seq. No.	34050	Seq. ID	OJ000251_01.0216.C10
Gene No.	70479	Strand	-
Start	2951	End	3290
Name	OJ000251_01.0216.C10.o2.ts	Method	TBLASTX:Soybean
Start	169	End	1532
GI	none	Score	168
Exons	169..276, 171..323, 171..323, 719..883, 729..959, 742..972, 756..959, 1195..1251, 1222..1293, 1224..1286, 1230..1274, 1281..1343, 1353..1523, 1354..1524, 1355..1519, 1355..1528, 1371..1532		

Seq. No.	34050	Seq. ID	OJ000251_01.0216.C10
Gene No.	70479	Strand	-
Start	2951	End	3290
Name	OJ000251_01.0216.C10.o3.tc	Method	TBLASTX:Cress
Start	172	End	332
GI	none	Score	165
Exons	172..276, 174..332		

Seq. No.	34050	Seq. ID	OJ000251_01.0216.C10
Gene No.	70479	Strand	-
Start	2951	End	3290
Name	OJ000251_01.0216.C10.o3.tm	Method	TBLASTX:Maize
Start	583	End	930
GI	none	Score	94
Exons	583..651, 593..676, 683..892, 694..930, 726..926, 736..930		

Seq. No.	34050	Seq. ID	OJ000251_01.0216.C10
Gene No.	70479	Strand	-
Start	2951	End	3290
Name	OJ000251_01.0216.C10.o1.tc	Method	TBLASTX:Cress
Start	742	End	1675
GI	none	Score	280
Exons	742..960, 759..959, 1227..1274, 1251..1343, 1355..1519, 1355..1519, 1371..1532, 1577..1675		

Seq. No.	34050	Seq. ID	OJ000251_01.0216.C10
Gene No.	70479	Strand	-
Start	2951	End	3290
Name	OJ000251_01.0216.C10.o2.tc	Method	TBLASTX:Cress
Start	2274	End	2851
GI	none	Score	37
Exons	2274..2303, 2340..2375, 2343..2372, 2365..2424, 2378..2425, 2461..2547, 2462..2536, 2552..2590, 2553..2651, 2554..2697, 2636..2698, 2734..2778, 2737..2778, 2807..2851		

Seq. No.	34050	Seq. ID	OJ000251_01.0216.C10
Gene No.	70479	Strand	-
Start	2951	End	3290
Name	OJ000251_01.0216.C10.o1.ts	Method	TBLASTX:Soybean
Start	2370	End	3111
GI	none	Score	73
Exons	2370..2420, 2378..2428, 2454..2495, 2458..2535, 2459..2485, 2497..2541, 2531..2599, 2552..2596, 2553..2606, 2596..2661, 2602..2694, 2603..2695, 2636..2707, 2790..2855, 2790..2849, 2797..2850, 2903..3064, 2906..3082, 2908..3084, 2931..3065, 3067..3111, 3085..3111		

Seq. No.	34050	Seq. ID	OJ000251_01.0216.C10
Gene No.	70479	Strand	-
Start	2951	End	3290
Name	OJ000251_01.0216.C10.o1.tm	Method	TBLASTX:Maize
Start	2761	End	3290
GI	none	Score	62
Exons	2761..2787, 2763..2789, 2788..3015, 2791..3078, 2792..3082, 2793..3083, 3070..3114, 3076..3114, 3115..3138, 3116..3142, 3145..3288, 3146..3250, 3150..3290, 3151..3288		

Seq. No.	34050	Seq. ID	OJ000251_01.0216.C10
Gene No.	70479	Strand	-
Start	2951	End	3290
Name	OJ000251_01.0216.C10.o2.gp	Method	AAT/GAP
Start	2951	End	3118
GI	LIB3431-017-P1-K1-H4	Score	283
Exons	2951..3118		
GI Descrip.	'1173189/sp P12340 RR12_MAIZE 8.0e-18 CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 >gi_2119091_pir_S58629 ribosomal protein S12 - maize chloroplast >gi_342619 (M17841) ribosomal protein S12 [Zea mays] >gi_1216141_emb_CAA60309_ (X86563) ribosomal protein S12 [Zea mays]'		

Seq. No.	34051	Seq. ID	OJ000251_01.0216.C11
Gene No.	70480	Strand	
Start	73	End	377
Name	OJ000251_01.0216.C11.o1.tm	Method	TBLASTX:Maize
Start	73	End	377
GI	none	Score	220
Exons	73..231, 74..226, 220..369, 224..370, 249..377		

Seq. No.	34051	Seq. ID	OJ000251_01.0216.C11
Gene No.	70480	Strand	
Start	73	End	377
Name	OJ000251_01.0216.C11.o1.tw	Method	TBLASTX:Wheat
Start	73	End	341
GI	none	Score	349
Exons	73..339, 74..340, 75..341		

Seq. No.	34052	Seq. ID	OJ000251_01.0216.C12
Gene No.	70482	Strand	+
Start	867	End	2113
Name	OJ000251_01.0216.C12.o2.gp	Method	AAT/GAP
Start	867	End	2113
GI	uC-osflcyp086a01a1	Score	851
Exons	867..1112, 1923..2113		
GI Descrip.	'133806/sp P25875 RR16_HORVU 5.0e-37 CHLOROPLAST 30S RIBOSOMAL PROTEIN S16 >gi_282999_pir_S28766 ribosomal protein S16 - barley chloroplast >gi_11603_emb_CAA36973_ (X52765) ribosomal protein rps16 [Hordeum vulgare]'		

Seq. No.	34052	Seq. ID	OJ000251_01.0216.C12
Gene No.	70483	Strand	+
Start	2707	End	3364
Name	OJ000251_01.0216.C12.o1.tm	Method	TBLASTX:Maize
Start	887	End	1516
GI	none	Score	64
Exons	887..931, 890..937, 915..965, 932..964, 966..998, 986..1240, 988..1266, 994..1254, 1228..1362, 1239..1376, 1242..1409, 1286..1429, 1421..1516, 1432..1515, 1436..1516		

Seq. No.	34052	Seq. ID	OJ000251_01.0216.C12
Gene No.	70483	Strand	+
Start	2707	End	3364
Name	OJ000251_01.0216.C12.o1.ts	Method	TBLASTX:Soybean
Start	996	End	2119

GI	none	Score	38
Exons	996..1019, 1000..1020, 1045..1134, 1060..1134, 1126..1176, 1131..1190, 1165..1218, 1165..1227, 1238..1276, 1240..1278, 1281..1382, 1296..1403, 1521..1553, 1556..1606, 1557..1598, 1604..1651, 1811..1909, 1821..1913, 1847..1918, 1880..2119, 1891..2118		

Seq. No.	34052	Seq. ID	OJ000251_01.0216.C12
Gene No.	70483	Strand	+
Start	2707	End	3364
Name	OJ000251_01.0216.C12.o2.tc	Method	TBLASTX:Cress
Start	1857	End	2044
GI	none	Score	230
Exons	1857..1952, 1858..2043, 1859..2044, 1865..2044		

Seq. No.	34052	Seq. ID	OJ000251_01.0216.C12
Gene No.	70483	Strand	+
Start	2707	End	3364
Name	OJ000251_01.0216.C12.o3.tm	Method	TBLASTX:Maize
Start	2348	End	2722
GI	none	Score	65
Exons	2348..2401, 2398..2493, 2398..2457, 2399..2494, 2406..2504, 2484..2528, 2522..2602, 2523..2585, 2526..2603, 2527..2586, 2559..2621, 2576..2614, 2587..2625, 2590..2628, 2617..2682, 2624..2683, 2642..2683, 2679..2720, 2680..2721, 2681..2722, 2681..2722		

Seq. No.	34052	Seq. ID	OJ000251_01.0216.C12
Gene No.	70483	Strand	+
Start	2707	End	3364
Name	OJ000251_01.0216.C12.o1.tc	Method	TBLASTX:Cress
Start	2688	End	3235
GI	none	Score	157
Exons	2688..2837, 2696..2839, 2697..2837, 2826..2867, 2826..2852, 2828..2866, 2892..2936, 2918..3031, 2943..3035, 2955..3041, 2959..3042, 2959..3051, 3135..3170, 3136..3180, 3140..3181, 3143..3181, 3182..3223, 3183..3230, 3185..3235		

Seq. No.	34052	Seq. ID	OJ000251_01.0216.C12
Gene No.	70483	Strand	+
Start	2707	End	3364
Name	OJ000251_01.0216.C12.o3.gp	Method	AAT/GAP
Start	2707	End	2975
GI	40596_1.R1084	Score	450
Exons	2707..2975		
GI Descrip.	'11957/emb X15901 CHOSXX 1.0e-104 Rice complete chloroplast genome'		

Seq. No.	34052	Seq. ID	OJ000251_01.0216.C12
Gene No.	70483	Strand	+
Start	2707	End	3364
Name	OJ000251_01.0216.C12.o2.tm	Method	TBLASTX:Maize
Start	2723	End	2983
GI	none	Score	231
Exons	2723..2923, 2724..2903, 2868..2963, 2894..2971, 2960..2983		

Seq. No.	34052	Seq. ID	OJ000251_01.0216.C12
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Gene No.	70483	Strand	+
Start	2707	End	3364
Name	OJ000251_01.0216.C12.o4.tm	Method	TBLASTX:Maize
Start	3131	End	3364
GI	none	Score	114
Exons	3131..3214, 3138..3212, 3192..3236, 3210..3236, 3212..3307, 3219..3311, 3223..3312, 3331..3363, 3332..3364, 3332..3364		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70484	Strand	+
Start	1903	End	2356
Name	OJ000251_01.0216.C13.o1.gp	Method	AAT/GAP
Start	1903	End	2356
GI	24570_1.R1084	Score	908
Exons	1903..2356		
GI Descrip.	'131251/sp P12094 PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir_FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_(X15901) PSII 32kDa protein [Oryza sativa] >gi_343212_(M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf_1503143A psbA gene [Oryza sativa] >gi_226406_prf_15'		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70485	Strand	+
Start	2720	End	3083
Name	OJ000251_01.0216.C13.o2.gp	Method	AAT/GAP
Start	2720	End	3083
GI	5455469	Score	666
Exons	2720..3083		
GI Descrip.	131251/sp P12094 PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir_FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_(X15901) PSII 32kDa protein [Oryza sativa] >gi_343212_(M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf_1503143A psbA gene [Oryza sativa] >gi_226406_prf_15		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70486	Strand	-
Start	3107	End	5762
Name	OJ000251_01.0216.C13.o6.ts	Method	TBLASTX:Soybean
Start	49	End	452
GI	none	Score	77
Exons	49..159, 52..183, 54..185, 174..248, 188..241, 255..452, 262..438, 276..443		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70486	Strand	-
Start	3107	End	5762
Name	OJ000251_01.0216.C13.o6.tc	Method	TBLASTX:Cress
Start	265	End	747
GI	none	Score	62
Exons	265..336, 265..444, 266..457, 270..509, 279..512, 527..586, 528..578, 528..596, 529..594, 584..745, 594..746, 703..747		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
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Gene No. 70486
 Start 3107
 Name OJ000251_01.0216.C13.o2.tw
 Start 327
 GI none
 Exons 327..707, 327..704, 428..706

Strand -
 End 5762
 Method TBLASTX:Wheat
 End 707
 Score 583

Seq. No. 34053
 Gene No. 70486
 Start 3107
 Name OJ000251_01.0216.C13.o5.ts
 Start 475
 GI none
 Exons 475..531, 481..624, 515..658, 711..920, 712..921

Seq. ID OJ000251_01.0216.C13
 Strand -
 End 5762
 Method TBLASTX:Soybean
 End 921
 Score 43

Seq. No. 34053
 Gene No. 70486
 Start 3107
 Name OJ000251_01.0216.C13.o5.tm
 Start 875
 GI none
 Exons 875..1141, 876..1139, 1045..1140

Seq. ID OJ000251_01.0216.C13
 Strand -
 End 5762
 Method TBLASTX:Maize
 End 1141
 Score 406

Seq. No. 34053
 Gene No. 70486
 Start 3107
 Name OJ000251_01.0216.C13.o3.tw
 Start 973
 GI none
 Exons 973..999, 974..1000, 995..1369, 996..1367

Seq. ID OJ000251_01.0216.C13
 Strand -
 End 5762
 Method TBLASTX:Wheat
 End 1369
 Score 46

Seq. No. 34053
 Gene No. 70486
 Start 3107
 Name OJ000251_01.0216.C13.o4.ts
 Start 1067
 GI none
 Exons 1067..1192, 1071..1187, 1179..1430, 1181..1426

Seq. ID OJ000251_01.0216.C13
 Strand -
 End 5762
 Method TBLASTX:Soybean
 End 1430
 Score 155

Seq. No. 34053
 Gene No. 70486
 Start 3107
 Name OJ000251_01.0216.C13.o3.tm
 Start 1899
 GI none
 Exons 1899..2393, 1902..2078, 1904..2395, 1906..2394

Seq. ID OJ000251_01.0216.C13
 Strand -
 End 5762
 Method TBLASTX:Maize
 End 2395
 Score 267

Seq. No. 34053
 Gene No. 70486
 Start 3107
 Name OJ000251_01.0216.C13.o3.ts
 Start 1899
 GI none
 Exons 1899..2078, 1909..2214, 1910..2212, 1918..2214

Seq. ID OJ000251_01.0216.C13
 Strand -
 End 5762
 Method TBLASTX:Soybean
 End 2214
 Score 174

Seq. No. 34053
 Seq. ID OJ000251_01.0216.C13

Gene No.	70486	Strand	-
Start	3107	End	5762
Name	OJ000251_01.0216.C13.o2.tc	Method	TBLASTX:Cress
Start	1923	End	2590
GI	none	Score	46
Exons	1923..1958, 1936..2361, 1955..2380, 2357..2587, 2363..2590		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70486	Strand	-
Start	3107	End	5762
Name	OJ000251_01.0216.C13.o7.ts	Method	TBLASTX:Soybean
Start	2279	End	2644
GI	none	Score	214
Exons	2279..2644, 2438..2623		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70486	Strand	-
Start	3107	End	5762
Name	OJ000251_01.0216.C13.o4.tc	Method	TBLASTX:Cress
Start	2678	End	3046
GI	none	Score	579
Exons	2678..3046, 2678..3028		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70486	Strand	-
Start	3107	End	5762
Name	OJ000251_01.0216.C13.o3.gp	Method	AAT/GAP
Start	3107	End	3535
GI	3073_1.R1084	Score	820
Exons	3107..3535		
GI Descrip.	'133936/sp P12146 RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir_R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934 (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf_1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70486	Strand	-
Start	3107	End	5762
Name	OJ000251_01.0216.C13.o4.tm	Method	TBLASTX:Maize
Start	3123	End	3552
GI	none	Score	348
Exons	3123..3341, 3142..3456, 3151..3420, 3158..3457, 3387..3461, 3393..3461, 3422..3511, 3448..3507, 3450..3551, 3450..3551, 3463..3552		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70486	Strand	-
Start	3107	End	5762
Name	OJ000251_01.0216.C13.o1.ts	Method	TBLASTX:Soybean
Start	3186	End	4918
GI	none	Score	180
Exons	3186..3338, 3190..3423, 3200..3424, 3428..3454, 3429..3452, 3649..3993, 3702..3992, 3703..4032, 3758..3997, 3938..4147, 3965..4162, 4065..4163, 4134..4280, 4149..4247, 4239..4283, 4241..4282, 4242..4283, 4283..4462, 4285..4461, 4286..4513, 4467..4544, 4468..4545, 4523..4918, 4537..4830		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70486	Strand	-
Start	3107	End	5762
Name	OJ000251_01.0216.C13.o3.tc	Method	TBLASTX:Cress
Start	3325	End	4213
GI	none	Score	92
Exons	3325..3423, 3328..3417, 3563..3613, 3564..3614, 3564..3641, 3565..3621, 3615..3644, 3615..3644, 3616..3645, 3701..3868, 3702..3821, 3702..3869, 3703..3870, 3703..3873, 3758..3874, 3884..4132, 3888..4127, 3896..4213, 4065..4133		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70486	Strand	-
Start	3107	End	5762
Name	OJ000251_01.0216.C13.o1.tm	Method	TBLASTX:Maize
Start	3734	End	4563
GI	none	Score	1254
Exons	3734..4555, 3735..4556, 3758..4558, 4192..4563		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70486	Strand	-
Start	3107	End	5762
Name	OJ000251_01.0216.C13.o4.tw	Method	TBLASTX:Wheat
Start	3875	End	4181
GI	none	Score	448
Exons	3875..4180, 3875..4180, 4065..4181		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70486	Strand	-
Start	3107	End	5762
Name	OJ000251_01.0216.C13.o1.tc	Method	TBLASTX:Cress
Start	4467	End	5686
GI	none	Score	79
Exons	4467..4508, 4469..4642, 4469..4663, 4545..4676, 4662..4775, 4663..4779, 4664..4783, 4787..4996, 4789..5502, 4792..5502, 5489..5587, 5499..5594, 5503..5595, 5507..5593, 5521..5595, 5596..5676, 5600..5686, 5601..5684		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70486	Strand	-
Start	3107	End	5762
Name	OJ000251_01.0216.C13.o2.tm	Method	TBLASTX:Maize
Start	4787	End	5564
GI	none	Score	304
Exons	4787..4996, 4789..5037, 4792..5037, 4866..5039, 4973..5038, 5032..5562, 5040..5564, 5041..5562		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70486	Strand	-
Start	3107	End	5762
Name	OJ000251_01.0216.C13.o2.ts	Method	TBLASTX:Soybean
Start	4919	End	5496
GI	none	Score	107
Exons	4919..4996, 4921..5496, 4923..5180, 4924..5490		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
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Gene No.	70486	Strand	-
Start	3107	End	5762
Name	OJ000251_01.0216.C13.o1.tw	Method	TBLASTX:Wheat
Start	5157	End	5534
GI	none	Score	51
Exons	5157..5183, 5158..5532, 5158..5532, 5159..5533, 5232..5534		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70486	Strand	-
Start	3107	End	5762
Name	OJ000251_01.0216.C13.o5.tw	Method	TBLASTX:Wheat
Start	5535	End	5762
GI	none	Score	104
Exons	5535..5594, 5537..5593, 5601..5762, 5616..5762		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70487	Strand	-
Start	5916	End	6324
Name	OJ000251_01.0216.C13.o5.tc	Method	TBLASTX:Cress
Start	5916	End	6324
GI	none	Score	61
Exons	5916..5960, 5920..5955, 5947..6108, 5961..6110, 5962..6108, 6072..6110, 6095..6190, 6105..6191, 6105..6218, 6106..6192, 6193..6324, 6195..6275, 6202..6282		

Seq. No.	34053	Seq. ID	OJ000251_01.0216.C13
Gene No.	70488	Strand	-
Start	6272	End	6451
Name	OJ000251_01.0216.C13.o8.ts	Method	TBLASTX:Soybean
Start	6272	End	6451
GI	none	Score	52
Exons	6272..6301, 6274..6297, 6307..6447, 6311..6451		

Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o2.tw	Method	TBLASTX:Wheat
Start	876	End	1362
GI	none	Score	92
Exons	876..953, 876..953, 877..954, 955..1011, 955..1011, 986..1066, 991..1068, 993..1070, 1002..1064, 1018..1083, 1028..1096, 1029..1070, 1056..1076, 1081..1131, 1081..1122, 1082..1174, 1082..1132, 1121..1360, 1128..1361, 1128..1361, 1315..1362		

Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o2.ts	Method	TBLASTX:Soybean
Start	1157	End	1650
GI	none	Score	684
Exons	1157..1648, 1167..1565, 1169..1648, 1315..1650, 1528..1650		

Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o6.ts	Method	TBLASTX:Soybean
Start	2856	End	3082

GI	none	Score	347
Exons	2856..3080, 2858..3082, 2858..3082		
Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o3.ts	Method	TBLASTX:Soybean
Start	3083	End	3535
GI	none	Score	448
Exons	3083..3400, 3083..3400, 3087..3401, 3388..3465, 3388..3462, 3405..3464, 3418..3534, 3420..3533, 3449..3535		
Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o3.tm	Method	TBLASTX:Maize
Start	3480	End	3604
GI	none	Score	132
Exons	3480..3566, 3481..3567, 3485..3583, 3485..3604		
Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o2.tm	Method	TBLASTX:Maize
Start	3618	End	3972
GI	none	Score	564
Exons	3618..3935, 3619..3972, 3621..3971		
Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o1.ts	Method	TBLASTX:Soybean
Start	3648	End	4372
GI	none	Score	59
Exons	3648..3695, 3651..3692, 3691..3921, 3695..3940, 3696..3935, 3946..4254, 3947..4192, 3993..4193, 4209..4253, 4245..4367, 4247..4372, 4247..4372		
Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o3.tc	Method	TBLASTX:Cress
Start	3660	End	4182
GI	none	Score	47
Exons	3660..3695, 3663..3692, 3695..3940, 3696..3923, 3697..3948, 3945..4067, 3946..4059, 3947..4081, 4059..4085, 4075..4182, 4077..4169		
Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o1.gp	Method	AAT/GAP
Start	3885	End	5854
GI	183 5.R1084	Score	2766
Exons	3885..4269, 4810..5854		
GI Descrip.	'133999/sp P05424 RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir_R3RZ7 ribosomal protein S7 - rice		

chloroplast >gi_12037_emb_CAA33942 (X15901) ribosomal protein
S7 [Oryza sativa] >gi_12065_emb_CAA33919 (X15901) ribosomal
protein S7 [Oryza sativa] >gi_226657_prf_1603356CH ribosomal
protein S7 [Oryza sativa]'

Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o1.tm	Method	TBLASTX:Maize
Start	3974	End	5852
GI	none	Score	756
Exons	3974..4444, 3974..5383, 3975..5411, 3993..5405, 4939..5412, 5320..5421, 5467..5550, 5468..5551, 5493..5552, 5545..5844, 5547..5852, 5550..5852		

Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o3.tw	Method	TBLASTX:Wheat
Start	4049	End	4268
GI	none	Score	99
Exons	4049, 4159, 4052, 4132, 4053, 4136, 4116, 4247, 4118, 4231, 4235, 4267, 4236, 4268		

Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o4.tc	Method	TBLASTX:Cress
Start	4229	End	4389
GI	none	Score	194
Exons	4229..4384, 4240..4350, 4247..4384, 4248..4388, 4249..4389		

Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o4.ts	Method	TBLASTX:Soybean
Start	4374	End	4776
GI	none	Score	178
Exons	4374..4496, 4375..4497, 4509..4622, 4509..4622, 4592..4774, 4595..4774, 4621..4776, 4623..4775		

Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o1.tw	Method	TBLASTX:Wheat
Start	4644	End	5054
GI	none	Score	42
Exons	4644..4703, 4695..5054, 4710..5051		

Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o1.tc	Method	TBLASTX:Cress
Start	4664	End	5412
GI	none	Score	740
Exons	4664..5185, 4665..5141, 4665..5186, 5136..5252, 5140..5253, 5141..5167, 5144..5260, 5145..5261, 5197..5265, 5229..5303,		

5234..5335, 5267..5314, 5304..5378, 5320..5388, 5330..5374,
5364..5405, 5370..5411, 5392..5412

Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o5.ts	Method	TBLASTX:Soybean
Start	4934	End	6047
GI	none	Score	308
Exons	4934..5134, 4935..5141, 4935..5135, 5118..5240, 5150..5245, 5151..5240, 5197..5247, 5204..5251, 5267..5302, 5271..5303, 5303..5344, 5310..5345, 5333..5395, 5468..5533, 5469..5534, 5470..5535, 5528..5554, 5529..5555, 5562..5666, 5589..5666, 5674..5766, 5693..5749, 5781..5819, 5880..6038, 5881..6036, 5882..6046, 5907..6047		

Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o5.tc	Method	TBLASTX:Cress
Start	5472	End	5693
GI	none	Score	40
Exons	5472..5507, 5497..5538, 5509..5541, 5531..5668, 5532..5675, 5533..5676, 5533..5664, 5534..5665, 5670..5693		

Seq. No.	34054	Seq. ID	OJ000251_01.0216.C14
Gene No.	70489	Strand	-
Start	3885	End	6781
Name	OJ000251_01.0216.C14.o2.tc	Method	TBLASTX:Cress
Start	5694	End	6781
GI	none	Score	110
Exons	5694..5789, 5694..5780, 5787..5813, 5787..5813, 5789..5818, 5880..6026, 5887..6018, 5921..6019, 5983..6054, 6073..6150, 6074..6154, 6075..6155, 6147..6218, 6150..6218, 6151..6219, 6174..6281, 6188..6256, 6220..6282, 6278..6409, 6298..6414, 6300..6407, 6304..6462, 6354..6461, 6403..6462, 6480..6527, 6481..6657, 6482..6664, 6565..6666, 6567..6665, 6691..6744, 6693..6743, 6704..6757, 6758..6781, 6760..6780		

Seq. No.	34055	Seq. ID	OJ000251_01.0216.C15
Gene No.	70490	Strand	-
Start	200	End	337
Name	OJ000251_01.0216.C15.o1.ts	Method	TBLASTX:Soybean
Start	200	End	337
GI	none	Score	191
Exons	200..322, 209..337		

Seq. No.	34055	Seq. ID	OJ000251_01.0216.C15
Gene No.	70491	Strand	-
Start	409	End	956
Name	OJ000251_01.0216.C15.o1.tw	Method	TBLASTX:Wheat
Start	409	End	956
GI	none	Score	75
Exons	409..456, 417..458, 551..592, 570..665, 583..660, 757..888, 769..849, 820..900, 901..924, 903..923, 921..956		

Seq. No.	34055	Seq. ID	OJ000251_01.0216.C15
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Gene No.	70491	Strand	
Start	409	End	956
Name	OJ000251_01.0216.C15.o1.tm	Method	TBLASTX:Maize
Start	706	End	956
GI	none	Score	52
Exons	706..795, 708..755, 712..801, 784..828, 787..831, 823..954, 823..954, 825..956		

Seq. No.	34056	Seq. ID	OJ000251_01.0216.C16
Gene No.	70492	Strand	+
Start	140	End	517
Name	OJ000251_01.0216.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	517
GI	none	Score	254
Exons	1..156, 2..175, 143..229, 178..393, 186..332, 232..357, 315..416, 331..444, 337..447, 400..477, 404..484, 408..485, 473..517, 478..513		

Seq. No.	34056	Seq. ID	OJ000251_01.0216.C16
Gene No.	70492	Strand	+
Start	140	End	517
Name	OJ000251_01.0216.C16.o1.ts	Method	TBLASTX:Soybean
Start	1	End	480
GI	none	Score	172
Exons	1..141, 2..145, 181..222, 186..215, 304..321, 406..477, 411..470, 412..480		

Seq. No.	34056	Seq. ID	OJ000251_01.0216.C16
Gene No.	70492	Strand	+
Start	140	End	517
Name	OJ000251_01.0216.C16.o1.tw	Method	TBLASTX:Wheat
Start	1	End	157
GI	none	Score	103
Exons	1..66, 2..67, 2..70, 63..143, 71..157, 71..139, 73..156		

Seq. No.	34056	Seq. ID	OJ000251_01.0216.C16
Gene No.	70492	Strand	+
Start	140	End	517
Name	OJ000251_01.0216.C16.o1.gp	Method	AAT/GAP
Start	140	End	517
GI	2135_1.R1084	Score	740
Exons	140..517		
GI Descrip.	'11957/emb X15901 CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	34057	Seq. ID	OJ000251_01.0216.C17
Gene No.	70493	Strand	+
Start	1	End	523
Name	OJ000251_01.0216.C17.o1.gp	Method	AAT/GAP
Start	1	End	523
GI	7528_2.R1084	Score	989
Exons	1..523		
GI Descrip.	'140291/sp P12206 YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir_S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_(X15901) ORF185 [Oryza sativa] >gi_226618_prf_1603356AQ ORF 185 [Oryza sativa]'		

Seq. No.	34057	Seq. ID	OJ000251_01.0216.C17
Gene No.	70494	Strand	-
Start	527	End	1000
Name	OJ000251_01.0216.C17.o1.ts	Method	TBLASTX:Soybean
Start	83	End	667
GI	none	Score	98
Exons	83..244, 88..228, 141..278, 232..435, 266..481, 266..478, 501..563, 504..563, 512..568, 590..649, 590..667		

Seq. No.	34057	Seq. ID	OJ000251_01.0216.C17
Gene No.	70494	Strand	-
Start	527	End	1000
Name	OJ000251_01.0216.C17.o1.tc	Method	TBLASTX:Cress
Start	89	End	650
GI	none	Score	699
Exons	89..574, 91..579, 92..580, 514..582, 561..650, 566..649		

Seq. No.	34057	Seq. ID	OJ000251_01.0216.C17
Gene No.	70494	Strand	-
Start	527	End	1000
Name	OJ000251_01.0216.C17.o1.tm	Method	TBLASTX:Maize
Start	247	End	844
GI	none	Score	46
Exons	247..279, 248..280, 258..665, 263..667, 266..667, 753..776, 773..820, 775..819, 776..820, 812..844, 816..836		

Seq. No.	34057	Seq. ID	OJ000251_01.0216.C17
Gene No.	70494	Strand	-
Start	527	End	1000
Name	OJ000251_01.0216.C17.o2.gp	Method	AAT/GAP
Start	527	End	1000
GI	2653_1.R1084	Score	916
Exons	527..1000		
GI Descrip.	'11998/emb CAA33959 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf_1603356AR ORF 85A [Oryza sativa]'		

Seq. No.	34058	Seq. ID	OJ000251_01.0216.C18
Gene No.	70495	Strand	-
Start	39	End	824
Name	OJ000251_01.0216.C18.o2.tm	Method	TBLASTX:Maize
Start	39	End	167
GI	none	Score	191.
Exons	39..167, 40..159		

Seq. No.	34058	Seq. ID	OJ000251_01.0216.C18
Gene No.	70495	Strand	-
Start	39	End	824
Name	OJ000251_01.0216.C18.o2.ts	Method	TBLASTX:Soybean
Start	40	End	391
GI	none	Score	43
Exons	40..66, 41..70, 71..148, 72..149, 127..390, 141..389, 149..391		

Seq. No.	34058	Seq. ID	OJ000251_01.0216.C18
Gene No.	70495	Strand	-
Start	39	End	824
Name	OJ000251_01.0216.C18.o1.tc	Method	TBLASTX:Cress
Start	73	End	824

GI	none	Score	251
Exons	73..246, 73..267, 149..280, 267..383, 268..387, 391..600, 393..824, 396..815		
Seq. No.	34058	Seq. ID	OJ000251_01.0216.C18
Gene No.	70495	Strand	
Start	39	End	824
Name	OJ000251_01.0216.C18.o1.tm	Method	TBLASTX:Maize
Start	391	End	824
GI	none	Score	304
Exons	391..600, 393..641, 396..641, 470..643, 577..642, 636..824, 637..786, 644..790, 645..818		
Seq. No.	34058	Seq. ID	OJ000251_01.0216.C18
Gene No.	70495	Strand	
Start	39	End	824
Name	OJ000251_01.0216.C18.o1.ts	Method	TBLASTX:Soybean
Start	391	End	824
GI	none	Score	301
Exons	391..600, 393..824, 396..815		
Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70496	Strand	
Start	84	End	1785
Name	OJ000251_01.0216.C20.o2.ts	Method	TBLASTX:Soybean
Start	84	End	1216
GI	none	Score	75
Exons	84..227, 102..191, 231..311, 355..696, 378..692, 747..791, 813..1124, 817..918, 1121..1216		
Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70496	Strand	
Start	84	End	1785
Name	OJ000251_01.0216.C20.o4.tm	Method	TBLASTX:Maize
Start	84	End	1462
GI	none	Score	66
Exons	84..227, 102..200, 231..311, 378..560, 378..692, 379..696, 747..791, 813..1124, 817..1122, 1121..1216, 1223..1462, 1224..1295, 1247..1372, 1335..1394		
Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70496	Strand	
Start	84	End	1785
Name	OJ000251_01.0216.C20.o9.tc	Method	TBLASTX:Cress
Start	96	End	582
GI	none	Score	83
Exons	96..227, 102..200, 237..311, 378..563, 378..581, 379..582		
Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70496	Strand	
Start	84	End	1785
Name	OJ000251_01.0216.C20.o1.tc	Method	TBLASTX:Cress
Start	582	End	1785
GI	none	Score	677
Exons	582..1124, 619..1122, 905..1126, 978..1124, 1121..1549, 1125..1502, 1126..1506, 1503..1574, 1503..1784, 1504..1785		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70496	Strand	
Start	84	End	1785
Name	OJ000251_01.0216.C20.o11.ts	Method	TBLASTX:Soybean
Start	1223	End	1394
GI	none	Score	112
Exons	1223..1393, 1224..1394		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70496	Strand	
Start	84	End	1785
Name	OJ000251_01.0216.C20.o10.tm	Method	TBLASTX:Maize
Start	1463	End	1605
GI	none	Score	67
Exons	1463..1504, 1463..1549, 1502..1603, 1504..1605, 1504..1605		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70496	Strand	
Start	84	End	1785
Name	OJ000251_01.0216.C20.o8.ts	Method	TBLASTX:Soybean
Start	1545	End	1777
GI	none	Score	285
Exons	1545..1775, 1546..1773, 1553..1777		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70497	Strand	
Start	1786	End	4830
Name	OJ000251_01.0216.C20.o10.tc	Method	TBLASTX:Cress
Start	1786	End	1988
GI	none	Score	259
Exons	1786..1986, 1786..1986, 1788..1988, 1800..1988		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70497	Strand	
Start	1786	End	4830
Name	OJ000251_01.0216.C20.o3.tm	Method	TBLASTX:Maize
Start	1805	End	2936
GI	none	Score	742
Exons	1805..2257, 1805..2140, 1806..2285, 1807..2262, 2232..2300, 2234..2332, 2235..2333, 2255..2341, 2315..2437, 2328..2444, 2328..2438, 2439..2468, 2440..2469, 2482..2532, 2485..2532, 2510..2614, 2524..2613, 2547..2627, 2611..2682, 2612..2668, 2616..2669, 2663..2743, 2664..2741, 2665..2745, 2665..2745, 2773..2925, 2785..2922, 2789..2929, 2790..2936		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70497	Strand	
Start	1786	End	4830
Name	OJ000251_01.0216.C20.o5.ts	Method	TBLASTX:Soybean
Start	1938	End	2357
GI	none	Score	365
Exons	1938..2255, 1938..2273, 1942..2274, 1945..2274, 2186..2275, 2328..2357		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70497	Strand	
Start	1786	End	4830

Name	OJ000251_01.0216.C20.o6.tc	Method	TBLASTX:Cress
Start	1989	End	2357
GI	none	Score	361
Exons	1989..2255, 1989..2255, 2328..2357		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70497	Strand	
Start	1786	End	4830
Name	OJ000251_01.0216.C20.o9.ts	Method	TBLASTX:Soybean
Start	2815	End	3805
GI	none	Score	149
Exons	2815..2970, 2816..2971, 2819..2971, 2856..2981, 3658..3804, 3687..3803, 3689..3805, 3695..3805		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70497	Strand	
Start	1786	End	4830
Name	OJ000251_01.0216.C20.o11.tc	Method	TBLASTX:Cress
Start	2865	End	3197
GI	none	Score	114
Exons	2865..2981, 2866..3006, 2866..2994, 2873..3010, 2982..3047, 2984..3037, 2985..3038, 3096..3140, 3096..3170, 3100..3171, 3154..3192, 3159..3197		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70497	Strand	
Start	1786	End	4830
Name	OJ000251_01.0216.C20.o7.tm	Method	TBLASTX:Maize
Start	2991	End	3334
GI	none	Score	240
Exons	2991..3146, 2994..3146, 3096..3218, 3142..3258, 3146..3271, 3148..3255, 3244..3294, 3248..3331, 3251..3313, 3255..3332, 3284..3334		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70497	Strand	
Start	1786	End	4830
Name	OJ000251_01.0216.C20.o7.tc	Method	TBLASTX:Cress
Start	3665	End	4015
GI	none	Score	405
Exons	3665..3922, 3668..4015		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70497	Strand	
Start	1786	End	4830
Name	OJ000251_01.0216.C20.o2.tm	Method	TBLASTX:Maize
Start	3675	End	4830
GI	none	Score	239
Exons	3675..3821, 3676..4026, 3676..4011, 3876..4028, 3962..4027, 4021..4650, 4025..4681, 4026..4634, 4057..4647, 4604..4807, 4629..4808, 4645..4809, 4646..4810, 4810..4830, 4812..4829		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70497	Strand	
Start	1786	End	4830
Name	OJ000251_01.0216.C20.o8.tc	Method	TBLASTX:Cress
Start	4081	End	4815

GI	none	Score	56
Exons	4081..4137, 4093..4113, 4148..4201, 4165..4200, 4165..4296, 4200..4322, 4206..4322, 4207..4323, 4211..4330, 4318..4434, 4330..4434, 4331..4444, 4443..4535, 4455..4535, 4457..4540, 4626..4805, 4633..4815, 4633..4815		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70497	Strand	
Start	1786	End	4830
Name	OJ000251_01.0216.C20.o7.ts	Method	TBLASTX:Soybean
Start	4144	End	4820
GI	none	Score	54
Exons	4144..4200, 4145..4204, 4164..4205, 4177..4299, 4206..4325, 4207..4335, 4378..4413, 4388..4411, 4447..4473, 4454..4528, 4474..4545, 4488..4532, 4540..4566, 4544..4567, 4645..4812, 4646..4813, 4659..4820		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70498	Strand	
Start	4997	End	5383
Name	OJ000251_01.0216.C20.o8.tm	Method	TBLASTX:Maize
Start	4997	End	5383
GI	none	Score	291
Exons	4997..5017, 5001..5285, 5020..5145, 5021..5152, 5040..5288, 5198..5293, 5284..5373, 5287..5373, 5288..5383, 5288..5374		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70499	Strand	
Start	5464	End	6758
Name	OJ000251_01.0216.C20.o6.tm	Method	TBLASTX:Maize
Start	5464	End	6006
GI	none	Score	97
Exons	5464..5547, 5464..5517, 5465..5545, 5466..5546, 5547..5699, 5548..5973, 5551..5979, 5772..5975, 5971..6006		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70499	Strand	
Start	5464	End	6758
Name	OJ000251_01.0216.C20.o2.tw	Method	TBLASTX:Wheat
Start	5634	End	6034
GI	none	Score	101
Exons	5634..5672, 5683..5751, 5690..5752, 5696..5752, 5711..6034, 5740..6033		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70499	Strand	
Start	5464	End	6758
Name	OJ000251_01.0216.C20.o3.tc	Method	TBLASTX:Crèss
Start	5761	End	6758
GI	none	Score	704
Exons	5761..6390, 5762..6391, 5771..6391, 6261..6395, 6409..6480, 6410..6457, 6623..6742, 6655..6744, 6662..6739, 6663..6758, 6663..6749		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70499	Strand	
Start	5464	End	6758

Name	OJ000251_01.0216.C20.o4.ts	Method	TBLASTX:Soybean
Start	5985	End	6489
GI	none	Score	348
Exons	5985..6380, 5986..6387, 5987..6388, 5987..6388, 6294..6389, 6433..6489		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70499	Strand	
Start	5464	End	6758
Name	OJ000251_01.0216.C20.o9.tm	Method	TBLASTX:Maize
Start	6267	End	6524
GI	none	Score	163
Exons	6267..6380, 6267..6380, 6268..6381, 6269..6409, 6375..6467, 6377..6490, 6379..6489, 6380..6502, 6381..6500, 6463..6501, 6498..6524, 6499..6522, 6500..6523		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70500	Strand	
Start	7118	End	8134
Name	OJ000251_01.0216.C20.o5.tm	Method	TBLASTX:Maize
Start	7118	End	8109
GI	none	Score	78

Exons	7118..7231, 7150..7233, 7226..7387, 7228..7386, 7229..7399, 7379..7609, 7380..7610, 7383..7619, 7384..7620, 7616..7651, 7619..7738, 7620..7649, 7643..7735, 7644..7742, 7654..7746, 7818..7865, 7825..7923, 7826..7924, 7919..7996, 7919..7996, 7920..7997, 7933..8001, 7994..8068, 7995..8105, 7995..8108, 8008..8109		
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Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70500	Strand	
Start	7118	End	8134
Name	OJ000251_01.0216.C20.o10.ts	Method	TBLASTX:Soybean
Start	7471	End	7738
GI	none	Score	165
Exons	7471..7620, 7493..7654, 7510..7620, 7610..7660, 7616..7738, 7617..7733, 7642..7734		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70500	Strand	
Start	7118	End	8134
Name	OJ000251_01.0216.C20.o3.tw	Method	TBLASTX:Wheat
Start	7495	End	7757
GI	none	Score	176
Exons	7495..7683, 7502..7612, 7503..7619, 7599..7652, 7618..7659, 7671..7757, 7683..7757		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70500	Strand	
Start	7118	End	8134
Name	OJ000251_01.0216.C20.o12.tc	Method	TBLASTX:Cress
Start	7998	End	8134
GI	none	Score	133
Exons	7998..8114, 8001..8132, 8008..8121, 8008..8133, 8111..8134		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70501	Strand	

Start	8724	End	11527
Name	OJ000251_01.0216.C20.o1.tm	Method	TBLASTX:Maize
Start	8724	End	11426
GI	none	Score	68
Exons	8724..8774, 8724..8774, 8725..8775, 8777..8845, 8787..8816, 8842..9501, 8848..9483, 9481..9519, 9488..9697, 9492..9707, 9523..9714, 9524..9694, 9531..9695, 9680..10204, 9683..10066, 9684..10235, 9684..10214, 10218..10529, 10240..10740, 10256..10741, 10535..10741, 10738..10899, 10742..10900, 10743..10910, 10743..10925, 10744..10926, 10935..10979, 10956..11009, 10956..10985, 10957..11013, 10961..11008, 11002..11028, 11006..11029, 11059..11121, 11061..11123, 11076..11123, 11090..11134, 11095..11217, 11128..11172, 11129..11176, 11144..11266, 11151..11252, 11251..11313, 11251..11310, 11252..11311, 11308..11334, 11313..11426, 11315..11425		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70501	Strand	
Start	8724	End	11527
Name	OJ000251_01.0216.C20.o4.tc	Method	TBLASTX:Cress
Start	8931	End	9408
GI	none	Score	237
Exons	8931..9143, 8931..9398, 8932..9399, 8932..9408, 9062..9406		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70501	Strand	
Start	8724	End	11527
Name	OJ000251_01.0216.C20.o3.ts	Method	TBLASTX:Soybean
Start	8983	End	9433
GI	none	Score	383
Exons	8983..9417, 8983..9417, 9059..9433		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70501	Strand	
Start	8724	End	11527
Name	OJ000251_01.0216.C20.o2.tc	Method	TBLASTX:Cress
Start	9495	End	10212
GI	none	Score	146
Exons	9495..9683, 9520..9684, 9521..9787, 9674..9745, 9732..9788, 9781..9858, 9782..10204, 9783..10211, 9898..10212		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70501	Strand	
Start	8724	End	11527
Name	OJ000251_01.0216.C20.o1.ts	Method	TBLASTX:Soybean
Start	9563	End	10247
GI	none	Score	778
Exons	9563..10204, 9564..10247, 9564..10211		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70501	Strand	
Start	8724	End	11527
Name	OJ000251_01.0216.C20.o1.tw	Method	TBLASTX:Wheat
Start	9650	End	10181
GI	none	Score	697
Exons	9650..10180, 9651..10181		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70501	Strand	
Start	8724	End	11527
Name	OJ000251_01.0216.C20.o5.tc	Method	TBLASTX:Cress
Start	10243	End	10642
GI	none	Score	210
Exons	10243..10275, 10290..10499, 10292..10642, 10292..10636, 10324..10638, 10575..10640		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70501	Strand	
Start	8724	End	11527
Name	OJ000251_01.0216.C20.o6.ts	Method	TBLASTX:Soybean
Start	10249	End	10582
GI	none	Score	306
Exons	10249..10524, 10250..10582, 10252..10581		

Seq. No.	34059	Seq. ID	OJ000251_01.0216.C20
Gene No.	70501	Strand	
Start	8724	End	11527
Name	OJ000251_01.0216.C20.o12.ts	Method	TBLASTX:Soybean
Start	11318	End	11527
GI	none	Score	137
Exons	11318..11422, 11319..11423, 11319..11423, 11320..11424, 11419..11499, 11420..11494, 11474..11527		

Seq. No.	34060	Seq. ID	OJ000251_01.0216.C21
Gene No.	70502	Strand	
Start	124	End	1796
Name	OJ000251_01.0216.C21.o1.tc	Method	TBLASTX:Cress
Start	124	End	1795
GI	none	Score	75
Exons	124..294, 219..458, 284..448, 291..452, 379..462, 429..773, 450..773, 830..1795, 831..1451, 856..1794		

Seq. No.	34060	Seq. ID	OJ000251_01.0216.C21
Gene No.	70502	Strand	
Start	124	End	1796
Name	OJ000251_01.0216.C21.o2.tm	Method	TBLASTX:Maize
Start	157	End	541
GI	none	Score	131
Exons	157..294, 158..487, 197..487, 379..504, 471..539, 472..540, 494..541		

Seq. No.	34060	Seq. ID	OJ000251_01.0216.C21
Gene No.	70502	Strand	
Start	124	End	1796
Name	OJ000251_01.0216.C21.o1.ts	Method	TBLASTX:Soybean
Start	219	End	1515
GI	none	Score	69
Exons	219..773, 220..294, 302..769, 309..773, 829..990, 830..1513, 831..1451, 871..1515, 1189..1515		

Seq. No.	34060	Seq. ID	OJ000251_01.0216.C21
Gene No.	70502	Strand	
Start	124	End	1796

Name	OJ000251_01.0216.C21.o1.tm	Method	TBLASTX:Maize
Start	645	End	1796
GI	none	Score	67
Exons	645..773, 650..772, 734..1030, 830..1426, 831..1415, 1070..1426, 1427..1669, 1445..1795, 1536..1796		

Seq. No.	34060	Seq. ID	OJ000251_01.0216.C21
Gene No.	70502	Strand	
Start	124	End	1796
Name	OJ000251_01.0216.C21.o2.tw	Method	TBLASTX:Wheat
Start	677	End	1057
GI	none	Score	44
Exons	677..772, 678..773, 830..1057, 831..1034		

Seq. No.	34060	Seq. ID	OJ000251_01.0216.C21
Gene No.	70502	Strand	
Start	124	End	1796
Name	OJ000251_01.0216.C21.o1.tw	Method	TBLASTX:Wheat
Start	1145	End	1796
GI	none	Score	237
Exons	1145..1426, 1146..1415, 1151..1420, 1445..1507, 1514..1552, 1563..1796, 1577..1795		

Seq. No.	34060	Seq. ID	OJ000251_01.0216.C21
Gene No.	70502	Strand	
Start	124	End	1796
Name	OJ000251_01.0216.C21.o2.ts	Method	TBLASTX:Soybean
Start	1516	End	1796
GI	none	Score	225
Exons	1516..1788, 1517..1789, 1517..1795, 1518..1796		

Seq. No.	34061	Seq. ID	OJ000251_01.0216.C22
Gene No.	70503	Strand	+
Start	1368	End	2097
Name	OJ000251_01.0216.C22.o2.gp	Method	AAT/GAP
Start	1368	End	2097
GI	24824_1.R1084	Score	1363
Exons	1368..2097		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf_2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	34061	Seq. ID	OJ000251_01.0216.C22
Gene No.	70504	Strand	+
Start	2193	End	2252
Name	OJ000251_01.0216.C22.o3.gp	Method	AAT/GAP
Start	2193	End	2252
GI	14384_1.R1084	Score	116
Exons	2193..2252		
GI Descrip.	'5881726/dbj BAA84417.1 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	34061	Seq. ID	OJ000251_01.0216.C22
Gene No.	70505	Strand	-
Start	390	End	1113
Name	OJ000251_01.0216.C22.o2.ts	Method	TBLASTX:Soybean
Start	56	End	1113

GI	none	Score	267
Exons	56..289, 57..380, 57..623, 58..624, 64..624, 1057..1113		
Seq. No.	34061	Seq. ID	OJ000251_01.0216.C22
Gene No.	70505	Strand	-
Start	390	End	1113
Name	OJ000251_01.0216.C22.o1.tc	Method	TBLASTX:Cress
Start	57	End	627
GI	none	Score	237
Exons	57..380, 57..626, 58..627		

Seq. No.	34061	Seq. ID	OJ000251_01.0216.C22
Gene No.	70505	Strand	-
Start	390	End	1113
Name	OJ000251_01.0216.C22.o3.tw	Method	TBLASTX:Wheat
Start	57	End	380
GI	none	Score	55
Exons	57..182, 57..380, 61..363, 201..380		

Seq. No.	34061	Seq. ID	OJ000251_01.0216.C22
Gene No.	70505	Strand	-
Start	390	End	1113
Name	OJ000251_01.0216.C22.o2.tm	Method	TBLASTX:Maize
Start	118	End	721
GI	none	Score	255
Exons	118..366, 138..365, 141..374, 142..375, 363..647, 367..672, 367..675, 401..679, 670..699, 670..699, 704..721		

Seq. No.	34061	Seq. ID	OJ000251_01.0216.C22
Gene No.	70505	Strand	-
Start	390	End	1113
Name	OJ000251_01.0216.C22.o1.gp	Method	AAT/GAP
Start	390	End	905
GI	uC-osflM202083h12b1	Score	947
Exons	390..905		
GI Descrip.	'552857 3.0e-25 (M31464) atpB gene product [Oryza sativa]'		

Seq. No.	34061	Seq. ID	OJ000251_01.0216.C22
Gene No.	70505	Strand	-
Start	390	End	1113
Name	OJ000251_01.0216.C22.o2.tw	Method	TBLASTX:Wheat
Start	497	End	928
GI	none	Score	215
Exons	497..646, 497..592, 499..675, 499..636, 597..680, 598..708, 643..729, 644..718, 707..793, 715..795, 716..805, 717..806, 758..928, 785..928		

Seq. No.	34061	Seq. ID	OJ000251_01.0216.C22
Gene No.	70506	Strand	-
Start	1036	End	2109
Name	OJ000251_01.0216.C22.o3.tm	Method	TBLASTX:Maize
Start	1036	End	1361
GI	none	Score	170
Exons	1036..1146, 1053..1166, 1055..1213, 1057..1167, 1151..1261, 1167..1259, 1168..1269, 1234..1359, 1236..1361		

Seq. No.	34061	Seq. ID	OJ000251_01.0216.C22
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Gene No.	70506	Strand	
Start	1036	End	2109
Name	OJ000251_01.0216.C22.o1.tw	Method	TBLASTX:Wheat
Start	1096	End	1780
GI	none	Score	98
Exons	1096..1167, 1096..1146, 1098..1166, 1163..1240, 1167..1256, 1214..1312, 1243..1305, 1268..1342, 1306..1734, 1326..1778, 1326..1778, 1355..1780, 1597..1779		

Seq. No.	34061	Seq. ID	OJ000251_01.0216.C22
Gene No.	70506	Strand	
Start	1036	End	2109
Name	OJ000251_01.0216.C22.o1.ts	Method	TBLASTX:Soybean
Start	1335	End	2031
GI	none	Score	722
Exons	1335..1856, 1335..1865, 1358..1861, 1851..1919, 1852..1977, 1853..1984, 1980..2021, 1987..2031		

Seq. No.	34061	Seq. ID	OJ000251_01.0216.C22
Gene No.	70506	Strand	
Start	1036	End	2109
Name	OJ000251_01.0216.C22.o2.tc	Method	TBLASTX:Cress
Start	1344	End	1820
GI	none	Score	41
Exons	1344..1376, 1378..1728, 1379..1801, 1380..1820, 1383..1820		

Seq. No.	34061	Seq. ID	OJ000251_01.0216.C22
Gene No.	70506	Strand	
Start	1036	End	2109
Name	OJ000251_01.0216.C22.o1.tm	Method	TBLASTX:Maize
Start	1362	End	2109
GI	none	Score	728
Exons	1362..1895, 1374..1856, 1795..1866, 1841..1978, 1855..1977, 1946..2056, 1980..2102, 1984..2055, 2058..2108, 2059..2109, 2061..2108		

Seq. No.	34061	Seq. ID	OJ000251_01.0216.C22
Gene No.	70506	Strand	
Start	1036	End	2109
Name	OJ000251_01.0216.C22.o4.tw	Method	TBLASTX:Wheat
Start	1781	End	1962
GI	none	Score	128
Exons	1781..1855, 1782..1856, 1783..1869, 1784..1870, 1839..1958, 1840..1959, 1841..1960, 1853..1957, 1855..1962		

Seq. No.	34061	Seq. ID	OJ000251_01.0216.C22
Gene No.	70507	Strand	
Start	2106	End	2251
Name	OJ000251_01.0216.C22.o5.tw	Method	TBLASTX:Wheat
Start	2106	End	2251
GI	none	Score	115
Exons	2106..2180, 2107..2181, 2108..2182, 2112..2183, 2174..2251, 2185..2250		

Seq. No.	34062	Seq. ID	OJ000251_01.0216.C23
Gene No.	70508	Strand	
Start	1	End	225

Name	OJ000251_01.0216.C23.ol.ts	Method	TBLASTX:Soybean
Start	1	End	225
GI	none	Score	283
Exons	1..225, 3..158, 5..160, 156..224		

Seq. No.	34062	Seq. ID	OJ000251_01.0216.C23
Gene No.	70509	Strand	
Start	184	End	324
Name	OJ000251_01.0216.C23.ol.tc	Method	TBLASTX:Cress
Start	184	End	324
GI	none	Score	229
Exons	184..324, 186..323		

Seq. No.	34063	Seq. ID	OJ000251_01.0216.C24
Gene No.	70510	Strand	
Start	182	End	673
Name	OJ000251_01.0216.C24.ol.tc	Method	TBLASTX:Cress
Start	182	End	673
GI	none	Score	684
Exons	182..673, 186..512, 256..672		

Seq. No.	34063	Seq. ID	OJ000251_01.0216.C24
Gene No.	70510	Strand	
Start	182	End	673
Name	OJ000251_01.0216.C24.ol.ts	Method	TBLASTX:Soybean
Start	344	End	586
GI	none	Score	358
Exons	344..586, 344..520, 346..585		

Seq. No.	34064	Seq. ID	OJ000251_01.0216.C25
Gene No.	70511	Strand	+
Start	1	End	57
Name	OJ000251_01.0216.C25.ol.gp	Method	AAT/GAP
Start	1	End	57
GI	2135_1.R1084	Score	110
Exons	1..57		
GI Descrip.	'11957/emb X15901 CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	34064	Seq. ID	OJ000251_01.0216.C25
Gene No.	70512	Strand	+
Start	95	End	827
Name	OJ000251_01.0216.C25.bl.tm	Method	TBLASTX:Maize
Start	1	End	611
GI	none	Score	106
Exons	1..72, 2..67, 3..74, 4..75, 75..200, 75..188, 77..190, 158..454, 159..461, 160..462, 160..474, 447..611, 487..519, 510..611		

Seq. No.	34064	Seq. ID	OJ000251_01.0216.C25
Gene No.	70512	Strand	+
Start	95	End	827
Name	OJ000251_01.0216.C25.ol.tw	Method	TBLASTX:Wheat
Start	1	End	228
GI	none	Score	110
Exons	1..72, 2..73, 2..73, 4..75, 64..111, 73..111, 108..227, 108..227, 112..228		

Seq. No.	34064	Seq. ID	OJ000251_01.0216.C25
Gene No.	70512	Strand	+
Start	95	End	827
Name	OJ000251_01.0216.C25.o1.tc	Method	TBLASTX:Cress
Start	2	End	432
GI	none	Score	43
Exons	2..34, 42..122, 43..126, 43..129, 45..128, 196..405, 198..419, 200..424, 202..432		

Seq. No.	34064	Seq. ID	OJ000251_01.0216.C25
Gene No.	70512	Strand	+
Start	95	End	827
Name	OJ000251_01.0216.C25.o1.ts	Method	TBLASTX:Soybean
Start	18	End	408
GI	none	Score	54
Exons	18..71, 19..72, 21..68, 64..135, 78..137, 78..131, 79..132, 226..399, 228..404, 228..404, 229..408		

Seq. No.	34064	Seq. ID	OJ000251_01.0216.C25
Gene No.	70512	Strand	+
Start	95	End	827
Name	OJ000251_01.0216.C25.o2.gp	Method	AAT/GAP
Start	95	End	827
GI	2721 1.R1084	Score	1418
Exons	95..827		
GI Descrip.	'114622/sp P12087 ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir_LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf_1603356W ATPase I [Oryza sativa]'		

Seq. No.	34064	Seq. ID	OJ000251_01.0216.C25
Gene No.	70512	Strand	+
Start	95	End	827
Name	OJ000251_01.0216.C25.o2.tm	Method	TBLASTX:Maize
Start	614	End	827
GI	none	Score	111
Exons	614..697, 614..712, 616..699, 696..740, 698..742, 726..827, 754..825		

Seq. No.	34065	Seq. ID	OJ000251_01.0216.C26
Gene No.	70513	Strand	-
Start	86	End	456
Name	OJ000251_01.0216.C26.o1.gp	Method	AAT/GAP
Start	86	End	456
GI	LIB3477-011-P1-K1-C10	Score	734
Exons	86..456		
GI Descrip.	'114657/sp P12083 ATPI_ORYSA 2.0e-34 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir_LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990_ (X15901) ATPase a subunit [Oryza sativa] >gi_226693_prf_1603356U ATPase a [Oryza sativa]'		

Seq. No.	34065	Seq. ID	OJ000251_01.0216.C26
Gene No.	70514	Strand	-
Start	497	End	3358
Name	OJ000251_01.0216.C26.o5.tm	Method	TBLASTX:Maize

Start	6	End	265
GI	none	Score	133
Exons	6..131, 7..150, 14..148, 22..156, 143..265, 143..259, 144..260, 148..264		

Seq. No.	34065	Seq. ID	OJ000251_01.0216.C26
Gene No.	70514	Strand	-
Start	497	End	3358
Name	OJ000251_01.0216.C26.o2.ts	Method	TBLASTX:Soybean
Start	174	End	1880
GI	none	Score	824
Exons	174..269, 175..924, 324..923, 1155..1607, 1160..1876, 1165..1875, 1182..1880, 1189..1878		

Seq. No.	34065	Seq. ID	OJ000251_01.0216.C26
Gene No.	70514	Strand	-
Start	497	End	3358
Name	OJ000251_01.0216.C26.o4.tm	Method	TBLASTX:Maize
Start	266	End	528
GI	none	Score	355
Exons	266..526, 266..493, 268..528, 322..528		

Seq. No.	34065	Seq. ID	OJ000251_01.0216.C26
Gene No.	70514	Strand	-
Start	497	End	3358
Name	OJ000251_01.0216.C26.o2.tc	Method	TBLASTX:Cress
Start	423	End	935
GI	none	Score	406
Exons	423..881, 423..884, 424..882, 448..897, 885..935, 887..928		

Seq. No.	34065	Seq. ID	OJ000251_01.0216.C26
Gene No.	70514	Strand	-
Start	497	End	3358
Name	OJ000251_01.0216.C26.o2.gp	Method	AAT/GAP
Start	497	End	1039
GI	42732_1.R1084	Score	1070
Exons	497..1039		
GI Descrip.	'114657/sp P12083 ATPI_ORYSA 3.0e-76 ATP SYNTHASE A CHAIN PRECURSOR (SUBUNIT IV) >gi_67926_pir_LWRZ6 H+-transporting ATP synthase (EC 3.6.1.34) chain a - rice chloroplast >gi_11975_emb_CAA33990 (X15901) ATPase a subunit. [Oryza sativa] >gi_226693_prf_1603356U ATPase a [Oryza sativa]'		

Seq. No.	34065	Seq. ID	OJ000251_01.0216.C26
Gene No.	70514	Strand	-
Start	497	End	3358
Name	OJ000251_01.0216.C26.o2.tm	Method	TBLASTX:Maize
Start	1387	End	1671
GI	none	Score	452
Exons	1387..1671, 1387..1671		

Seq. No.	34065	Seq. ID	OJ000251_01.0216.C26
Gene No.	70514	Strand	-
Start	497	End	3358
Name	OJ000251_01.0216.C26.o3.tc	Method	TBLASTX:Cress
Start	1391	End	2013
GI	none	Score	118

Exons 1391..1504, 1393..1506, 1501..1875, 1502..1876, 1504..1878,
1993..2013, 1995..2012

Seq. No.	34065	Seq. ID	OJ000251_01.0216.C26
Gene No.	70514	Strand	-
Start	497	End	3358
Name	OJ000251_01.0216.C26.o1.tm	Method	TBLASTX:Maize
Start	1672	End	2332
GI	none	Score	47
Exons	1672..1698, 1672..1698, 1693..1878, 1693..1875, 1694..1876, 1712..1888, 1927..2010, 1928..2020, 1950..2012, 1982..2026, 2012..2077, 2085..2126, 2085..2120, 2124..2162, 2131..2163, 2132..2164, 2159..2332, 2160..2267, 2161..2331		

Seq. No.	34065	Seq. ID	OJ000251_01.0216.C26
Gene No.	70514	Strand	-
Start	497	End	3358
Name	OJ000251_01.0216.C26.o1.ts	Method	TBLASTX:Soybean
Start	2148	End	3223
GI	none	Score	62
Exons	2148..2255, 2208..2267, 2212..2280, 2212..2280, 2225..2287, 2266..2397, 2267..3058, 2270..2398, 2334..3059, 2682..3059, 3068..3202, 3068..3223		

Seq. No.	34065	Seq. ID	OJ000251_01.0216.C26
Gene No.	70514	Strand	-
Start	497	End	3358
Name	OJ000251_01.0216.C26.o1.tw	Method	TBLASTX:Wheat
Start	2168	End	2576
GI	none	Score	493
Exons	2168..2533, 2168..2572, 2169..2576		

Seq. No.	34065	Seq. ID	OJ000251_01.0216.C26
Gene No.	70514	Strand	-
Start	497	End	3358
Name	OJ000251_01.0216.C26.o1.tc	Method	TBLASTX:Cress
Start	2213	End	3358
GI	none	Score	58
Exons	2213..2269, 2214..2267, 2308..2406, 2327..2530, 2327..3058, 2334..3059, 3071..3121, 3071..3145, 3081..3137, 3140..3196, 3149..3193, 3258..3350, 3302..3358		

Seq. No.	34065	Seq. ID	OJ000251_01.0216.C26
Gene No.	70514	Strand	-
Start	497	End	3358
Name	OJ000251_01.0216.C26.o3.tm	Method	TBLASTX:Maize
Start	2333	End	2627
GI	none	Score	396
Exons	2333..2590, 2334..2591, 2334..2591, 2538..2627, 2572..2619		

Seq. No.	34065	Seq. ID	OJ000251_01.0216.C26
Gene No.	70514	Strand	-
Start	497	End	3358
Name	OJ000251_01.0216.C26.o6.tm	Method	TBLASTX:Maize
Start	2816	End	2953
GI	none	Score	212
Exons	2816..2953, 2816..2953		

Seq. No.	34066	Seq. ID	OJ000251_01.0216.C27
Gene No.	70515	Strand	
Start	181	End	977
Name	OJ000251_01.0216.C27.ol.tc	Method	TBLASTX:Cress
Start	181	End	977
GI	none	Score	49
Exons	181..273, 225..281, 351..686, 580..687, 583..687, 653..913, 939..977		352..495, 360..497, 555..686, 681..947, 700..921, 702..944,

Seq. No.	34066	Seq. ID	OJ000251_01.0216.C27
Gene No.	70515	Strand	
Start	181	End	977
Name	OJ000251_01.0216.C27.ol.tw	Method	TBLASTX:Wheat
Start	515	End	977
GI	none	Score	572
Exons	515..934, 516..935, 517..936, 898..975, 911..976		549..968, 698..970, 897..977,

Seq. No.	34066	Seq. ID	OJ000251_01.0216.C27
Gene No.	70515	Strand	
Start	181	End	977
Name	OJ000251_01.0216.C27.ol.tm	Method	TBLASTX:Maize
Start	588	End	977
GI	none	Score	548
Exons	588..977, 590..976		

Seq. No.	34067	Seq. ID	OJ000251_01.0216.C28
Gene No.	70516	Strand	
Start	16	End	265
Name	OJ000251_01.0216.C28.ol.tc	Method	TBLASTX:Cress
Start	16	End	265
GI	none	Score	95
Exons	16..111, 45..110, 46..111, 67..174, 113..175, 191..265, 191..265		

Seq. No.	34068	Seq. ID	OJ000251_01.0216.C29
Gene No.	70517	Strand	
Start	262	End	638
Name	OJ000251_01.0216.C29.ol.tc	Method	TBLASTX:Cress
Start	262	End	638
GI	none	Score	64
Exons	262..309, 262..315, 270..335, 522..572, 523..573, 561..635, 582..638, 583..636		292..486, 310..489, 311..487,

Seq. No.	34068	Seq. ID	OJ000251_01.0216.C29
Gene No.	70518	Strand	
Start	570	End	894
Name	OJ000251_01.0216.C29.ol.ts	Method	TBLASTX:Soybean
Start	570	End	894
GI	none	Score	78
Exons	570..620, 570..620, 572..622, 812..892		716..820, 717..824, 811..894,

Seq. No.	34068	Seq. ID	OJ000251_01.0216.C29
Gene No.	70518	Strand	
Start	570	End	894

Name	OJ000251_01.0216.C29.o1.tm	Method	TBLASTX:Maize
Start	600	End	879
GI	none	Score	338
Exons	600..878, 600..878, 601..879, 601..879		
Seq. No.	34069	Seq. ID	OJ000251_01.0216.C30
Gene No.	70519	Strand	+
Start	490	End	664
Name	OJ000251_01.0216.C30.o1.ts	Method	TBLASTX:Soybean
Start	7	End	591
GI	none	Score	333
Exons	7..468, 9..494, 47..493, 85..498, 143..550, 515..577, 520..579, 523..591		
Seq. No.	34069	Seq. ID	OJ000251_01.0216.C30
Gene No.	70519	Strand	+
Start	490	End	664
Name	OJ000251_01.0216.C30.o1.tc	Method	TBLASTX:Cress
Start	124	End	576
GI	none	Score	221
Exons	124..501, 126..497, 143..502, 502..576		
Seq. No.	34069	Seq. ID	OJ000251_01.0216.C30
Gene No.	70519	Strand	+
Start	490	End	664
Name	OJ000251_01.0216.C30.o1.gp	Method	AAT/GAP
Start	490	End	664
GI	2653_1.R1084	Score	324
Exons	490..664		
GI Descrip.	'11998/emb CAA33959 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf__1603356AR ORF 85A [Oryza sativa]'		
Seq. No.	34070	Seq. ID	OJ000251_01.0216.C31
Gene No.	70520	Strand	
Start	380	End	583
Name	OJ000251_01.0216.C31.o1.tc	Method	TBLASTX:Cress
Start	380	End	583
GI	none	Score	305
Exons	380..583, 384..581, 386..583		
Seq. No.	34071	Seq. ID	OJ000251_01.0216.C32
Gene No.	70521	Strand	
Start	1	End	111
Name	OJ000251_01.0216.C32.o1.tm	Method	TBLASTX:Maize
Start	1	End	111
GI	none	Score	180
Exons	1..111, 1..111		
Seq. No.	34072	Seq. ID	OJ000251_01.0216.C33
Gene No.	70522	Strand	
Start	1	End	352
Name	OJ000251_01.0216.C33.o2.tw	Method	TBLASTX:Wheat
Start	1	End	121
GI	none	Score	194
Exons	1..120, 2..121, 3..119		
Seq. No.	34072	Seq. ID	OJ000251_01.0216.C33

Gene No.	70522	Strand	
Start	1	End	352
Name	OJ000251_01.0216.C33.o1.tm	Method	TBLASTX:Maize
Start	2	End	352
GI	none	Score	200
Exons	2..139, 10..147, 12..140, 14..148, 55..336, 136..327, 137..352, 138..347		

Seq. No.	34072	Seq. ID	OJ000251_01.0216.C33
Gene No.	70522	Strand	
Start	1	End	352
Name	OJ000251_01.0216.C33.o1.tw	Method	TBLASTX:Wheat
Start	122	End	341
GI	none	Score	355
Exons	122..340, 123..341		

Seq. No.	34072	Seq. ID	OJ000251_01.0216.C33
Gene No.	70523	Strand	
Start	289	End	794
Name	OJ000251_01.0216.C33.o1.tc	Method	TBLASTX:Cress
Start	289	End	794
GI	none	Score	55
Exons	289..336, 289..327, 384..491, 388..465, 399..491, 448..642, 466..645, 467..643, 678..728, 679..729, 717..791, 738..794, 739..792		

Seq. No.	34072	Seq. ID	OJ000251_01.0216.C33
Gene No.	70524	Strand	
Start	726	End	1049
Name	OJ000251_01.0216.C33.o1.ts	Method	TBLASTX:Soybean
Start	726	End	1049
GI	none	Score	78
Exons	726..776, 726..776, 728..778, 871..960, 873..962, 876..962, 877..963, 966..1049, 967..1047		

Seq. No.	34072	Seq. ID	OJ000251_01.0216.C33
Gene No.	70524	Strand	
Start	726	End	1049
Name	OJ000251_01.0216.C33.o2.tm	Method	TBLASTX:Maize
Start	755	End	1035
GI	none	Score	367
Exons	755..982, 755..964, 757..993, 757..981, 960..1034, 961..1035, 963..1034		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70525	Strand	+
Start	1648	End	2082
Name	OJ000251_01.0216.C34.o1.gp	Method	AAT/GAP
Start	1648	End	2082
GI	5886_1.R1084	Score	840
Exons	1648..2082		
GI Descrip.	'11957/emb X15901 CHOSXX 0.0e+00 Rice complete chloroplast genome'		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70526	Strand	+
Start	4552	End	4754

Name	OJ000251_01.0216.C34.o3.gp	Method	AAT/GAP
Start	4552	End	4754
GI	6012822	Score	337
Exons	4552..4754		
GI Descrip.	11957/emb X15901 CHOSXX 1.0e-52 Rice complete chloroplast genome		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70527	Strand	-
Start	2229	End	5878
Name	OJ000251_01.0216.C34.o3.tm	Method	TBLASTX:Maize
Start	1	End	245
GI	none	Score	289
Exons	1..174, 3..203, 3..191, 170..244, 171..245, 173..244		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70527	Strand	-
Start	2229	End	5878
Name	OJ000251_01.0216.C34.o11.ts	Method	TBLASTX:Soybean
Start	81	End	259
GI	none	Score	142
Exons	81..170, 83..172, 86..172, 87..173, 176..259, 177..257		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70527	Strand	-
Start	2229	End	5878
Name	OJ000251_01.0216.C34.o4.tm	Method	TBLASTX:Maize
Start	1698	End	1968
GI	none	Score	256
Exons	1698..1919, 1698..1811, 1699..1920, 1817..1867, 1820..1867, 1908..1967, 1908..1967, 1909..1968, 1909..1968		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70527	Strand	-
Start	2229	End	5878
Name	OJ000251_01.0216.C34.o1.ts	Method	TBLASTX:Soybean
Start	2039	End	4082
GI	none	Score	168
Exons	2039..2275, 2051..2281, 2058..2282, 2101..2283, 2414..2938, 2420..3664, 2421..3692, 3596..3703, 3598..3693, 3699..4082, 3704..4009, 3751..4080		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70527	Strand	-
Start	2229	End	5878
Name	OJ000251_01.0216.C34.o6.tm	Method	TBLASTX:Maize
Start	2179	End	2463
GI	none	Score	175
Exons	2179..2289, 2179..2295, 2217..2309, 2301..2366, 2306..2371, 2323..2388, 2342..2380, 2383..2409, 2384..2410, 2406..2462, 2421..2462, 2422..2463, 2422..2463		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70527	Strand	-
Start	2229	End	5878
Name	OJ000251_01.0216.C34.o2.gp	Method	AAT/GAP
Start	2229	End	2601
GI	LIB3431-005-P1-N1-A5	Score	695

Exons 2229..2601
 GI Descrip. '131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir_FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_(X15901) PSII 32kDa protein [Oryza sativa] >gi_343212_(M36191)_Q-B protein (psbA) [Oryza sativa] >gi_226249_prf_1503143A psbA gene [Oryza sativa] >gi_226406_prf_15'

Seq. No. 34073 Seq. ID OJ000251_01.0216.C34
 Gene No. 70527 Strand -
 Start 2229 End 5878
 Name OJ000251_01.0216.C34.o2.tc Method TBLASTX:Cress
 Start 2907 End 3362
 GI none Score 126
 Exons 2907..2969, 2909..2971, 2981..3355, 2982..3359, 3207..3362

Seq. No. 34073 Seq. ID OJ000251_01.0216.C34
 Gene No. 70527 Strand -
 Start 2229 End 5878
 Name OJ000251_01.0216.C34.o1.tc Method TBLASTX:Cress
 Start 3474 End 5878
 GI none Score 288

Exons 3474..3695, 3474..3695, 3596..3697, 3699..4157, 3751..4158, 3953..4177, 5145..5225, 5147..5491, 5148..5492, 5153..5491, 5155..5493, 5280..5498, 5450..5647, 5485..5685, 5491..5682, 5703..5876, 5750..5878, 5759..5878

Seq. No. 34073 Seq. ID OJ000251_01.0216.C34
 Gene No. 70527 Strand -
 Start 2229 End 5878
 Name OJ000251_01.0216.C34.o2.ts Method TBLASTX:Soybean
 Start 4160 End 5690
 GI none Score 40
 Exons 4160..4282, 4233..4283, 4268..4330, 4291..4329, 4378..4413, 4383..4415, 4447..4515, 4481..4513, 4607..4690, 4610..4684, 4848..4886, 4902..4937, 4938..4973, 5048..5647, 5053..5112, 5054..5665, 5068..5688, 5146..5688, 5268..5690

Seq. No. 34073 Seq. ID OJ000251_01.0216.C34
 Gene No. 70528 Strand -
 Start 5787 End 5980
 Name OJ000251_01.0216.C34.o10.ts Method TBLASTX:Soybean
 Start 5787 End 5980
 GI none Score 280
 Exons 5787..5978, 5789..5980, 5790..5978

Seq. No. 34073 Seq. ID OJ000251_01.0216.C34
 Gene No. 70529 Strand -
 Start 5961 End 8560
 Name OJ000251_01.0216.C34.o2.tm Method TBLASTX:Maize
 Start 5961 End 8253
 GI none Score 67
 Exons 5961..6014, 6081..6143, 7805..7981, 7806..7985, 7978..8094, 7982..8095, 8028..8222, 8096..8224, 8097..8222, 8098..8223, 8194..8253

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70529	Strand	
Start	5961	End	8560
Name	OJ000251_01.0216.C34.o6.ts	Method	TBLASTX:Soybean
Start	5981	End	6230
GI	none	Score	204
Exons	5981..6106, 5982..6104, 6097..6219, 6105..6230, 6105..6230		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70529	Strand	
Start	5961	End	8560
Name	OJ000251_01.0216.C34.o8.ts	Method	TBLASTX:Soybean
Start	6689	End	6950
GI	none	Score	135
Exons	6689..6784, 6690..6782, 6691..6783, 6767..6949, 6781..6948, 6789..6950		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70529	Strand	
Start	5961	End	8560
Name	OJ000251_01.0216.C34.o9.tc	Method	TBLASTX:Cress
Start	6898	End	7123
GI	none	Score	218
Exons	6898..7095, 6899..7102, 6899..7123		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70529	Strand	
Start	5961	End	8560
Name	OJ000251_01.0216.C34.o4.ts	Method	TBLASTX:Soybean
Start	7058	End	8560
GI	none	Score	328
Exons	7058..7129, 7259..7492, 7269..7610, 7269..7607, 7270..7611, 7849..7968, 7948..7980, 8053..8094, 8054..8095, 8054..8095, 8097..8324, 8097..8324, 8098..8325, 8373..8417, 8377..8418, 8417..8560, 8418..8543, 8420..8554		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70529	Strand	
Start	5961	End	8560
Name	OJ000251_01.0216.C34.o7.tc	Method	TBLASTX:Cress
Start	7268	End	7593
GI	none	Score	210
Exons	7268..7498, 7268..7492, 7269..7592, 7270..7593, 7558..7593		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70529	Strand	
Start	5961	End	8560
Name	OJ000251_01.0216.C34.o1.tw	Method	TBLASTX:Wheat
Start	7799	End	8037
GI	none	Score	78
Exons	7799..7846, 7800..7850, 7800..7850, 7801..7854, 7807..7851, 7856..7921, 7857..7922, 7939..7968, 7946..7984, 7968..8036, 7993..8037, 7993..8037		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70529	Strand	
Start	5961	End	8560

Name	OJ000251_01.0216.C34.o5.tc	Method	TBLASTX:Cress
Start	8044	End	8560
GI	none	Score	69
Exons	8044..8094, 8051..8095, 8061..8096, 8095..8244, 8097..8246, 8097..8246, 8101..8247, 8228..8326, 8241..8330, 8242..8319, 8400..8417, 8417..8560, 8418..8558		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70530	Strand	
Start	8561	End	8867
Name	OJ000251_01.0216.C34.o9.ts	Method	TBLASTX:Soybean
Start	8561	End	8836
GI	none	Score	270
Exons	8561..8836, 8568..8804, 8740..8835		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70530	Strand	
Start	8561	End	8867
Name	OJ000251_01.0216.C34.o8.tc	Method	TBLASTX:Cress
Start	8586	End	8867
GI	none	Score	106
Exons	8586..8660, 8586..8699, 8593..8706, 8593..8706, 8594..8707, 8706..8867, 8708..8866		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70531	Strand	
Start	8790	End	9406
Name	OJ000251_01.0216.C34.o5.tm	Method	TBLASTX:Maize
Start	8790	End	9233
GI	none	Score	163
Exons	8790..8984, 8846..8983, 9078..9233, 9092..9232		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70531	Strand	
Start	8790	End	9406
Name	OJ000251_01.0216.C34.o3.ts	Method	TBLASTX:Soybean
Start	8837	End	9333
GI	none	Score	711
Exons	8837..9262, 8838..9332, 8998..9333		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70531	Strand	
Start	8790	End	9406
Name	OJ000251_01.0216.C34.o3.tc	Method	TBLASTX:Cress
Start	8868	End	9406
GI	none	Score	48
Exons	8868..8978, 8949..9332, 8953..9243, 8960..9331, 8964..9350, 8983..9333, 9325..9405, 9326..9406		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70532	Strand	
Start	9458	End	9988
Name	OJ000251_01.0216.C34.o4.tc	Method	TBLASTX:Cress
Start	9458	End	9916
GI	none	Score	586
Exons	9458..9916, 9460..9813		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70532	Strand	
Start	9458	End	9988
Name	OJ000251_01.0216.C34.o1.tm	Method	TBLASTX:Maize
Start	9537	End	9988
GI	none	Score	195
Exons	9537..9692, 9537..9959, 9539..9961, 9539..9988		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70532	Strand	
Start	9458	End	9988
Name	OJ000251_01.0216.C34.o7.ts	Method	TBLASTX:Soybean
Start	9617	End	9871
GI	none	Score	317
Exons	9617..9868, 9619..9807, 9633..9863, 9635..9871		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70533	Strand	
Start	10132	End	10517
Name	OJ000251_01.0216.C34.o6.tc	Method	TBLASTX:Cress
Start	10132	End	10479
GI	none	Score	268
Exons	10132..10362, 10132..10314, 10134..10361, 10381..10479, 10401..10478		

Seq. No.	34073	Seq. ID	OJ000251_01.0216.C34
Gene No.	70533	Strand	
Start	10132	End	10517
Name	OJ000251_01.0216.C34.o5.ts	Method	TBLASTX:Soybean
Start	10134	End	10517
GI	none	Score	96
Exons	10134..10217, 10134..10505, 10135..10509, 10251..10517		

Seq. No.	34074	Seq. ID	OJ000251_01.0216.C35
Gene No.	70534	Strand	
Start	1	End	241
Name	OJ000251_01.0216.C35.o3.ts	Method	TBLASTX:Soybean
Start	1	End	241
GI	none	Score	80
Exons	1..57, 3..53, 49..147, 50..154, 152..241, 205..240		

Seq. No.	34074	Seq. ID	OJ000251_01.0216.C35
Gene No.	70535	Strand	
Start	1813	End	2141
Name	OJ000251_01.0216.C35.o1.tc	Method	TBLASTX:Cress
Start	1813	End	2141
GI	none	Score	320
Exons	1813..1878, 1827..2141, 1828..2127		

Seq. No.	34074	Seq. ID	OJ000251_01.0216.C35
Gene No.	70535	Strand	
Start	1813	End	2141
Name	OJ000251_01.0216.C35.o2.ts	Method	TBLASTX:Soybean
Start	1834	End	2120
GI	none	Score	366
Exons	1834..2118, 1836..2120, 1839..2120		

Seq. No.	34074	Seq. ID	OJ000251_01.0216.C35
Gene No.	70536	Strand	
Start	2199	End	2472
Name	OJ000251_01.0216.C35.o1.ts	Method	TBLASTX:Soybean
Start	2199	End	2472
GI	none	Score	315
Exons	2199..2471, 2199..2465, 2200..2472		

Seq. No.	34074	Seq. ID	OJ000251_01.0216.C35
Gene No.	70536	Strand	
Start	2199	End	2472
Name	OJ000251_01.0216.C35.o2.tc	Method	TBLASTX:Cress
Start	2316	End	2471
GI	none	Score	170
Exons	2316..2471, 2325..2471		

Seq. No.	34075	Seq. ID	OJ000251_01.0216.C36
Gene No.	70537	Strand	+
Start	202	End	491
Name	OJ000251_01.0216.C36.o1.tm	Method	TBLASTX:Maize
Start	37	End	342
GI	none	Score	63
Exons	37..66, 38..79, 38..70, 39..80, 39..92, 40..132, 54..188, 65..202, 68..235, 112..255, 178..237, 232..264, 247..342, 258..341		

Seq. No.	34075	Seq. ID	OJ000251_01.0216.C36
Gene No.	70537	Strand	+
Start	202	End	491
Name	OJ000251_01.0216.C36.o1.gp	Method	AAT/GAP
Start	202	End	491
GI	LIB3474-003-P1-K1-F1	Score	502
Exons	202..491		
GI Descrip.	'114521/sp P12084 ATPA ORYSA 1.0e-78 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir_PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993 (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf_1603356X ATPase alpha [Oryza sativa]'		

Seq. No.	34076	Seq. ID	OJ000251_01.0216.C37
Gene No.	70538	Strand	
Start	84	End	626
Name	OJ000251_01.0216.C37.o1.tm	Method	TBLASTX:Maize
Start	84	End	307
GI	none	Score	273
Exons	84..272, 87..272, 91..273, 91..276, 92..274, 276..302, 276..302, 278..307, 278..304		

Seq. No.	34076	Seq. ID	OJ000251_01.0216.C37
Gene No.	70538	Strand	
Start	84	End	626
Name	OJ000251_01.0216.C37.o1.ts	Method	TBLASTX:Soybean
Start	87	End	596
GI	none	Score	68
Exons	87..134, 91..162, 92..157, 210..275, 215..268, 358..429, 370..462, 371..463, 404..469, 459..512, 466..534, 469..513, 524..568, 530..577, 570..596		

Seq. No.	34076	Seq. ID	OJ000251_01.0216.C37
Gene No.	70538	Strand	
Start	84	End	626
Name	OJ000251_01.0216.C37.o1.tc	Method	TBLASTX:Cress
Start	214	End	626
GI	none	Score	59
Exons	214..258, 287..331, 287..328, 367..429, 368..511, 414..512, 469..594, 518..595, 528..626, 529..594		

Seq. No.	34077	Seq. ID	OJ000251_01.0216.C38
Gene No.	70539	Strand	
Start	67	End	299
Name	OJ000251_01.0216.C38.o2.tw	Method	TBLASTX:Wheat
Start	67	End	299
GI	none	Score	406
Exons	67..297, 68..298, 69..299, 69..299		

Seq. No.	34077	Seq. ID	OJ000251_01.0216.C38
Gene No.	70539	Strand	
Start	67	End	299
Name	OJ000251_01.0216.C38.o1.tc	Method	TBLASTX:Cress
Start	68	End	212
GI	none	Score	128
Exons	68..151, 69..152, 69..152, 154..210, 155..211, 155..211, 159..212		

Seq. No.	34077	Seq. ID	OJ000251_01.0216.C38
Gene No.	70540	Strand	
Start	251	End	454
Name	OJ000251_01.0216.C38.o1.tm	Method	TBLASTX:Maize
Start	251	End	454
GI	none	Score	110
Exons	251..319, 252..317, 253..318, 317..448, 318..449, 320..454		

Seq. No.	34077	Seq. ID	OJ000251_01.0216.C38
Gene No.	70541	Strand	
Start	427	End	1132
Name	OJ000251_01.0216.C38.o1.tw	Method	TBLASTX:Wheat
Start	427	End	844
GI	none	Score	51
Exons	427..480, 444..494, 446..481, 450..494, 469..549, 474..551, 476..553, 485..547, 501..566, 511..552, 511..579, 512..553, 539..559, 564..614, 564..605, 565..657, 565..615, 604..843, 611..844, 611..844		

Seq. No.	34077	Seq. ID	OJ000251_01.0216.C38
Gene No.	70541	Strand	
Start	427	End	1132
Name	OJ000251_01.0216.C38.o1.ts	Method	TBLASTX:Soybean
Start	640	End	1132
GI	none	Score	329
Exons	640..900, 652..897, 663..905, 798..902, 880..1125, 888..1130, 903..1130, 1010..1132		

Seq. No.	34078	Seq. ID	OJ000251_01.0216.C39
Gene No.	70542	Strand	+

Start	63	End	290
Name	OJ000251_01.0216.C39.ol.gp		Method AAT/GAP
Start	63	End	290
GI	688_1.R1084	Score	390
Exons	63..290		
GI Descrip.	'226661/prf 1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	34079	Seq. ID	OJ000251_01.0216.C40
Gene No.	70543	Strand	
Start	1	End	340
Name	OJ000251_01.0216.C40.ol.tm	Method	TBLASTX:Maize
Start	1	End	339
GI	none	Score	557
Exons	1..180, 3..338, 3..290, 226..339		

Seq. No.	34079	Seq. ID	OJ000251_01.0216.C40
Gene No.	70543	Strand	
Start	1	End	340
Name	OJ000251_01.0216.C40.ol.ts	Method	TBLASTX:Soybean
Start	1	End	340
GI	none	Score	137
Exons	1..87, 1..87, 88..132, 89..130, 90..131, 92..238, 125..223, 129..224, 209..337, 210..338, 218..340		

Seq. No.	34079	Seq. ID	OJ000251_01.0216.C40
Gene No.	70543	Strand	
Start	1	End	340
Name	OJ000251_01.0216.C40.ol.tc	Method	TBLASTX:Cress
Start	159	End	340
GI	none	Score	174
Exons	159..338, 239..340, 245..340		

Seq. No.	34079	Seq. ID	OJ000251_01.0216.C40
Gene No.	70543	Strand	
Start	1	End	340
Name	OJ000251_01.0216.C40.ol.tw	Method	TBLASTX:Wheat
Start	191	End	339
GI	none	Score	269
Exons	191..337, 192..338, 193..339, 223..339		

Seq. No.	34080	Seq. ID	OJ000251_01.0216.C41
Gene No.	70544	Strand	
Start	74	End	373
Name	OJ000251_01.0216.C41.ol.tm	Method	TBLASTX:Maize
Start	74	End	373
GI	none	Score	145
Exons	74..160, 75..161, 76..357, 157..348, 158..373, 159..368		

Seq. No.	34080	Seq. ID	OJ000251_01.0216.C41
Gene No.	70544	Strand	
Start	74	End	373
Name	OJ000251_01.0216.C41.ol.tw	Method	TBLASTX:Wheat
Start	143	End	362
GI	none	Score	355
Exons	143..361, 144..362		

Seq. No.	34081	Seq. ID	OJ000251_01.0216.C42
Gene No.	70545	Strand	-
Start	41	End	430
Name	OJ000251_01.0216.C42.o1.ts	Method	TBLASTX:Soybean
Start	32	End	292
GI	none	Score	110
Exons	32..112, 32..112, 33..113, 34..153, 34..174, 129..173, 165..287, 167..292, 167..292		

Seq. No.	34081	Seq. ID	OJ000251_01.0216.C42
Gene No.	70545	Strand	-
Start	41	End	430
Name	OJ000251_01.0216.C42.o1.tm	Method	TBLASTX:Maize
Start	33	End	429
GI	none	Score	561
Exons	33..428, 33..425, 34..429, 34..429		

Seq. No.	34081	Seq. ID	OJ000251_01.0216.C42
Gene No.	70545	Strand	-
Start	41	End	430
Name	OJ000251_01.0216.C42.o1.tw	Method	TBLASTX:Wheat
Start	33	End	188
GI	none	Score	191
Exons	33..149, 36..167, 38..151, 155..187, 156..188		

Seq. No.	34081	Seq. ID	OJ000251_01.0216.C42
Gene No.	70545	Strand	-
Start	41	End	430
Name	OJ000251_01.0216.C42.o1.gp	Method	AAT/GAP
Start	41	End	430
GI	5005167	Score	776
Exons	41..430		
GI Descrip.	140281/sp P09363 YCX1_SOYBN 1.0e-32 HYPOTHETICAL 16.8 KD PROTEIN (ORF 143) >gi_81821_pir_S05717 hypothetical protein 143 - soybean chloroplast >gi_11577_emb_CAA30522_ (X07675) ORF 143 [Glycine max]		

Seq. No.	34081	Seq. ID	OJ000251_01.0216.C42
Gene No.	70545	Strand	-
Start	41	End	430
Name	OJ000251_01.0216.C42.o1.tc	Method	TBLASTX:Cress
Start	149	End	309
GI	none	Score	194
Exons	149..304, 160..270, 167..304, 168..308, 169..309		

Seq. No.	34081	Seq. ID	OJ000251_01.0216.C42
Gene No.	70545	Strand	-
Start	41	End	430
Name	OJ000251_01.0216.C42.o2.ts	Method	TBLASTX:Soybean
Start	294	End	417
GI	none	Score	178
Exons	294..416, 295..417		

Seq. No.	34082	Seq. ID	OJ000251_01.0216.C43
Gene No.	70546	Strand	-
Start	27	End	242
Name	OJ000251_01.0216.C43.o1.tw	Method	TBLASTX:Wheat

Start	27	End	242
GI	none	Score	90
Exons	27..50, 49..102, 50..103, 54..104, 60..107, 106..195, 116..187, 187..240, 191..241, 191..241, 195..242		

Seq. No.	34082	Seq. ID	OJ000251_01.0216.C43
Gene No.	70546	Strand	
Start	27	End	242
Name	OJ000251_01.0216.C43.o1.tm	Method	TBLASTX:Maize
Start	31	End	235
GI	none	Score	278
Exons	31..234, 32..235, 32..235		

Seq. No.	34083	Seq. ID	OJ000251_01.0216.C44
Gene No.	70547	Strand	
Start	32	End	206
Name	OJ000251_01.0216.C44.o2.tc	Method	TBLASTX:Cress
Start	32	End	180
GI	none	Score	138
Exons	32..172, 33..173, 34..180		

Seq. No.	34083	Seq. ID	OJ000251_01.0216.C44
Gene No.	70547	Strand	
Start	32	End	206
Name	OJ000251_01.0216.C44.o2.ts	Method	TBLASTX:Soybean
Start	32	End	206
GI	none	Score	172
Exons	32..193, 33..194, 33..206, 34..198		

Seq. No.	34083	Seq. ID	OJ000251_01.0216.C44
Gene No.	70548	Strand	
Start	182	End	615
Name	OJ000251_01.0216.C44.o1.tc	Method	TBLASTX:Cress
Start	182	End	615
GI	none	Score	445
Exons	182..607, 198..608, 199..615		

Seq. No.	34083	Seq. ID	OJ000251_01.0216.C44
Gene No.	70548	Strand	
Start	182	End	615
Name	OJ000251_01.0216.C44.o1.tw	Method	TBLASTX:Wheat
Start	188	End	335
GI	none	Score	215
Exons	188..334, 191..334, 192..335		

Seq. No.	34083	Seq. ID	OJ000251_01.0216.C44
Gene No.	70548	Strand	
Start	182	End	615
Name	OJ000251_01.0216.C44.o1.ts	Method	TBLASTX:Soybean
Start	286	End	608
GI	none	Score	347
Exons	286..507, 287..607, 288..608		

Seq. No.	34084	Seq. ID	OJ000251_01.0216.C45
Gene No.	70549	Strand	-
Start	69	End	669
Name	OJ000251_01.0216.C45.o1.gp	Method	AAT/GAP

Start	69	End	669
GI	7587_1.R1084	Score	731
Exons	69..491, 641..669		
GI Descrip.	'131283/sp P12158 PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir_F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	34084	Seq. ID	OJ000251_01.0216.C45
Gene No.	70549	Strand	-
Start	69	End	669
Name	OJ000251_01.0216.C45.o1.tw	Method	TBLASTX:Wheat
Start	69	End	409
GI	none	Score	595
Exons	69..407, 69..407, 71..409, 236..409		

Seq. No.	34084	Seq. ID	OJ000251_01.0216.C45
Gene No.	70549	Strand	-
Start	69	End	669
Name	OJ000251_01.0216.C45.o2.tm	Method	TBLASTX:Maize
Start	69	End	221
GI	none	Score	265
Exons	69..221, 71..211		

Seq. No.	34084	Seq. ID	OJ000251_01.0216.C45
Gene No.	70549	Strand	-
Start	69	End	669
Name	OJ000251_01.0216.C45.o1.tc	Method	TBLASTX:Cress
Start	69	End	520
GI	none	Score	726
Exons	69..494, 69..488, 71..490, 236..520		

Seq. No.	34084	Seq. ID	OJ000251_01.0216.C45
Gene No.	70549	Strand	-
Start	69	End	669
Name	OJ000251_01.0216.C45.o1.ts	Method	TBLASTX:Soybean
Start	69	End	494
GI	none	Score	740
Exons	69..494, 69..485, 71..490		

Seq. No.	34084	Seq. ID	OJ000251_01.0216.C45
Gene No.	70549	Strand	-
Start	69	End	669
Name	OJ000251_01.0216.C45.o1.tm	Method	TBLASTX:Maize
Start	221	End	502
GI	none	Score	435
Exons	221..490, 237..494, 239..502		

Seq. No.	34085	Seq. ID	OJ000251_01.0216.C46
Gene No.	70550	Strand	+
Start	1	End	53
Name	OJ000251_01.0216.C46.o1.gp	Method	AAT/GAP
Start	1	End	53
GI	5886_1.R1084	Score	106
Exons	1..53		
GI Descrip.	'11957/emb X15901 CHOSXX 0.0e+00 Rice complete chloroplast		

genome'

Seq. No.	34085	Seq. ID	OJ000251_01.0216.C46
Gene No.	70551	Strand	-
Start	200	End	395
Name	OJ000251_01.0216.C46.o1.ts	Method	TBLASTX:Soybean
Start	10	End	253
GI	none	Score	168
Exons	10..246, 22..252, 29..253		

Seq. No.	34085	Seq. ID	OJ000251_01.0216.C46
Gene No.	70551	Strand	-
Start	200	End	395
Name	OJ000251_01.0216.C46.o1.tm	Method	TBLASTX:Maize
Start	150	End	381
GI	none	Score	175
Exons	150..260, 150..266, 151..261, 188..280, 272..337, 277..342, 294..359, 313..351, 354..380, 355..381		

Seq. No.	34085	Seq. ID	OJ000251_01.0216.C46
Gene No.	70551	Strand	-
Start	200	End	395
Name	OJ000251_01.0216.C46.o2.gp	Method	AAT/GAP
Start	200	End	395
GI	LIB3431-005-P1-N1-A5	Score	359
Exons	200..395		
GI Descrip.	'131251/sp P12094 PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir_FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_(X15901) PSII 32kDa protein [Oryza sativa] >gi_343212_(M36191)_Q-B protein (psbA) [Oryza sativa] >gi_226249_prf_1503143A psbA gene [Oryza sativa] >gi_226406_prf_15'		

Seq. No.	34086	Seq. ID	OJ000251_01.0216.C47
Gene No.	70552	Strand	
Start	9	End	679
Name	OJ000251_01.0216.C47.o1.tm	Method	TBLASTX:Maize
Start	9	End	437
GI	none	Score	84
Exons	9..74, 9..74, 10..75, 11..76, 60..119, 61..111, 65..139, 66..170, 76..174, 175..291, 176..313, 193..315, 270..329, 271..333, 271..333, 340..435, 342..437, 342..437		

Seq. No.	34086	Seq. ID	OJ000251_01.0216.C47
Gene No.	70552	Strand	
Start	9	End	679
Name	OJ000251_01.0216.C47.o1.tw	Method	TBLASTX:Wheat
Start	114	End	669
GI	none	Score	57
Exons	114..173, 115..174, 121..186, 124..255, 168..254, 176..256, 176..259, 230..301, 248..289, 250..339, 250..300, 259..333, 275..346, 338..463, 340..453, 432..626, 450..590, 479..601, 550..636, 595..669, 596..664		

Seq. No.	34086	Seq. ID	OJ000251_01.0216.C47
Gene No.	70552	Strand	

Start	9	End	679
Name	OJ000251_01.0216.C47.o3.tm	Method	TBLASTX:Maize
Start	439	End	679
GI	none	Score	181
Exons	439..576, 450..575, 450..578, 580..624, 583..636, 585..626, 614..679, 616..669		

Seq. No.	34086	Seq. ID	OJ000251_01.0216.C47
Gene No.	70553	Strand	
Start	670	End	1457
Name	OJ000251_01.0216.C47.o2.tw	Method	TBLASTX:Wheat
Start	670	End	1043
GI	none	Score	44
Exons	670..702, 673..720, 678..719, 692..721, 712..768, 722..769, 726..770, 727..771, 758..784, 762..785, 763..798, 769..891, 770..895, 771..896, 894..911, 923..1039, 927..1043, 927..1043		

Seq. No.	34086	Seq. ID	OJ000251_01.0216.C47
Gene No.	70553	Strand	
Start	670	End	1457
Name	OJ000251_01.0216.C47.o1.ts	Method	TBLASTX:Soybean
Start	921	End	1457
GI	none	Score	903
Exons	921..1457, 931..1455, 935..1456		

Seq. No.	34086	Seq. ID	OJ000251_01.0216.C47
Gene No.	70553	Strand	
Start	670	End	1457
Name	OJ000251_01.0216.C47.o1.tc	Method	TBLASTX:Cress
Start	983	End	1355
GI	none	Score	660
Exons	983..1354, 984..1355		

Seq. No.	34086	Seq. ID	OJ000251_01.0216.C47
Gene No.	70553	Strand	
Start	670	End	1457
Name	OJ000251_01.0216.C47.o2.tm	Method	TBLASTX:Maize
Start	1295	End	1456
GI	none	Score	279
Exons	1295..1456, 1295..1456		

Seq. No.	34087	Seq. ID	OJ000251_01.0216.C48
Gene No.	70554	Strand	-
Start	191	End	520
Name	OJ000251_01.0216.C48.o1.ts	Method	TBLASTX:Soybean
Start	25	End	520
GI	none	Score	42
Exons	25..54, 48..287, 48..320, 49..318, 285..518, 286..519, 287..520, 287..520		

Seq. No.	34087	Seq. ID	OJ000251_01.0216.C48
Gene No.	70554	Strand	-
Start	191	End	520
Name	OJ000251_01.0216.C48.o1.tc	Method	TBLASTX:Cress
Start	48	End	520
GI	none	Score	359
Exons	48..287, 48..317, 49..318, 280..330, 285..518, 287..520,		

289..519

Seq. No.	34087	Seq. ID	OJ000251_01.0216.C48
Gene No.	70554	Strand	-
Start	191	End	520
Name	OJ000251_01.0216.C48.o1.tm	Method	TBLASTX:Maize
Start	86	End	520
GI	none	Score	315
Exons	86..286, 87..299, 87..317, 88..318, 285..512, 286..519, 287..520		

Seq. No.	34087	Seq. ID	OJ000251_01.0216.C48
Gene No.	70554	Strand	-
Start	191	End	520
Name	OJ000251_01.0216.C48.o1.tw	Method	TBLASTX:Wheat
Start	188	End	520
GI	none	Score	125
Exons	188..298, 189..287, 189..302, 190..318, 190..318, 280..330, 285..518, 287..520, 289..519		

Seq. No.	34087	Seq. ID	OJ000251_01.0216.C48
Gene No.	70554	Strand	-
Start	191	End	520
Name	OJ000251_01.0216.C48.o1.gp	Method	AAT/GAP
Start	191	End	520
GI	2231_2.R1084	Score	629
Exons	191..520		
GI Descrip.	'11957/emb X15901 CHOSXX 1.0e-145 Rice complete chloroplast genome'		

Seq. No.	34088	Seq. ID	OJ000251_01.0216.C49
Gene No.	70555	Strand	+
Start	36	End	122
Name	OJ000251_01.0216.C49.o1.gp	Method	AAT/GAP
Start	36	End	122
GI	5886_1.R1084	Score	148
Exons	36..122		
GI Descrip.	'11957/emb X15901 CHOSXX 0.0e+00 Rice complete chloroplast genome'		

Seq. No.	34088	Seq. ID	OJ000251_01.0216.C49
Gene No.	70556	Strand	
Start	91	End	316
Name	OJ000251_01.0216.C49.o2.ts	Method	TBLASTX:Soybean
Start	91	End	316
GI	none	Score	204
Exons	91..315, 98..316		

Seq. No.	34088	Seq. ID	OJ000251_01.0216.C49
Gene No.	70557	Strand	
Start	402	End	721
Name	OJ000251_01.0216.C49.o1.ts	Method	TBLASTX:Soybean
Start	402	End	721
GI	none	Score	170
Exons	402..521, 403..720, 407..721		

Seq. No.	34089	Seq. ID	OJ000251_01.0216.C50
Gene No.	70558	Strand	

Start	54	End	304
Name	OJ000251_01.0216.C50.o1.tm	Method	TBLASTX:Maize
Start	54	End	304
GI	none	Score	179
Exons	54..173, 55..180, 56..184, 183..251, 184..255, 212..241, 253..303, 254..304, 254..304		

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70559	Strand	
Start	60	End	750
Name	OJ000251_01.0216.C51.o4.ts	Method	TBLASTX:Soybean
Start	60	End	360
GI	none	Score	94
Exons	60..170, 63..173, 64..174, 189..317, 189..323, 193..327, 194..337, 324..359, 325..360		

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70559	Strand	
Start	60	End	750
Name	OJ000251_01.0216.C51.o3.tm	Method	TBLASTX:Maize
Start	138	End	741
GI	none	Score	153
Exons	138..377, 193..480, 550..741		

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70559	Strand	
Start	60	End	750
Name	OJ000251_01.0216.C51.o6.tc	Method	TBLASTX:Cress
Start	193	End	750
GI	none	Score	155
Exons	193..480, 231..377, 550..750, 642..749		

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70560	Strand	
Start	663	End	1479
Name	OJ000251_01.0216.C51.o2.ts	Method	TBLASTX:Soybean
Start	663	End	1479
GI	none	Score	214
Exons	663..854, 663..875, 664..996, 736..1023, 851..1024, 1005..1124, 1022..1474, 1024..1479, 1025..1474, 1065..1478		

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70560	Strand	
Start	663	End	1479
Name	OJ000251_01.0216.C51.o4.tc	Method	TBLASTX:Cress
Start	763	End	1162
GI	none	Score	323
Exons	763..1002, 769..1002, 860..1024, 1031..1162, 1033..1161, 1034..1162		

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70561	Strand	
Start	1383	End	1552
Name	OJ000251_01.0216.C51.o4.tm	Method	TBLASTX:Maize
Start	1383	End	1552
GI	none	Score	85
Exons	1383..1430, 1385..1438, 1391..1432, 1432..1500, 1433..1498,		

1507..1548, 1509..1550, 1517..1552

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70562	Strand	
Start	1457	End	2248
Name	OJ000251_01.0216.C51.o7.tc	Method	TBLASTX:Cress
Start	1457	End	1738
GI	none	Score	270
Exons	1457..1738, 1465..1683		

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70562	Strand	
Start	1457	End	2248
Name	OJ000251_01.0216.C51.o5.ts	Method	TBLASTX:Soybean
Start	1564	End	2017
GI	none	Score	43
Exons	1564..1623, 1595..1624, 1625..1750, 1625..1699, 1721..1825, 1738..1977, 1747..1932, 1760..1972, 1973..2017, 1976..2014		

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70562	Strand	
Start	1457	End	2248
Name	OJ000251_01.0216.C51.o5.tc	Method	TBLASTX:Cress
Start	1827	End	2248
GI	none	Score	52
Exons	1827..1874, 1828..2217, 1828..1932, 1844..2248, 1883..2218		

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70563	Strand	
Start	2258	End	3002
Name	OJ000251_01.0216.C51.o1.tc	Method	TBLASTX:Cress
Start	2258	End	3002
GI	none	Score	664
Exons	2258..2698, 2259..2705, 2752..3000, 2766..3002, 2768..3001		

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70563	Strand	
Start	2258	End	3002
Name	OJ000251_01.0216.C51.o3.ts	Method	TBLASTX:Soybean
Start	2532	End	2974
GI	none	Score	218
Exons	2532..2699, 2548..2697, 2563..2700, 2567..2698, 2740..2970, 2750..2887, 2757..2972, 2768..2974, 2770..2973		

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70563	Strand	
Start	2258	End	3002
Name	OJ000251_01.0216.C51.o1.tm	Method	TBLASTX:Maize
Start	2643	End	2976
GI	none	Score	82
Exons	2643..2699, 2644..2700, 2645..2698, 2740..2976, 2750..2887, 2757..2975, 2770..2976		

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70564	Strand	
Start	2975	End	4713
Name	OJ000251_01.0216.C51.o1.ts	Method	TBLASTX:Soybean

Start	2975	End	4713
GI	none	Score	99
Exons	2975..3049, 2979..3053, 2982..3053, 3178..3225, 3182..3226, 3244..3276, 3274..3981, 3275..3634, 3276..3983, 3977..4102, 3978..4127, 3979..4107, 4114..4713, 4127..4708, 4135..4713		

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70564	Strand	
Start	2975	End	4713
Name	OJ000251_01.0216.C51.o2.tm	Method	TBLASTX:Maize
Start	2978	End	3474
GI	none	Score	140
Exons	2978..3079, 2979..3083, 2979..3080, 3178..3225, 3182..3226, 3244..3276, 3274..3474, 3276..3473		

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70564	Strand	
Start	2975	End	4713
Name	OJ000251_01.0216.C51.o8.tc	Method	TBLASTX:Cress
Start	3014	End	3366
GI	none	Score	81
Exons	3014..3079, 3015..3071, 3187..3237, 3191..3238, 3277..3366, 3279..3365		

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70564	Strand	
Start	2975	End	4713
Name	OJ000251_01.0216.C51.o2.tc	Method	TBLASTX:Cress
Start	3369	End	3763
GI	none	Score	595
Exons	3369..3761, 3370..3762, 3692..3763		

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70564	Strand	
Start	2975	End	4713
Name	OJ000251_01.0216.C51.o1.tw	Method	TBLASTX:Wheat
Start	4062	End	4507
GI	none	Score	624
Exons	4062..4505, 4063..4506, 4063..4506, 4064..4507		

Seq. No.	34090	Seq. ID	OJ000251_01.0216.C51
Gene No.	70564	Strand	
Start	2975	End	4713
Name	OJ000251_01.0216.C51.o3.tc	Method	TBLASTX:Cress
Start	4207	End	4623
GI	none	Score	387
Exons	4207..4617, 4208..4618, 4208..4621, 4213..4623		

Seq. No.	34091	Seq. ID	OJ000251_01.0216.C52
Gene No.	70565	Strand	-
Start	956	End	1840
Name	OJ000251_01.0216.C52.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1839
GI	none	Score	78
Exons	1..57, 1..66, 53..178, 54..203, 55..183, 190..942, 203..943, 204..950, 414..944, 947..1003, 950..1099, 957..1100, 958..1161, 1069..1239, 1094..1237, 1110..1238, 1665..1838, 1665..1838,		

1666..1839

Seq. No.	34091	Seq. ID	OJ000251_01.0216.C52
Gene No.	70565	Strand	-
Start	956	End	1840
Name	OJ000251_01.0216.C52.o1.tw	Method	TBLASTX:Wheat
Start	138	End	582
GI	none	Score	634
Exons	138..581, 139..582, 139..582		

Seq. No.	34091	Seq. ID	OJ000251_01.0216.C52
Gene No.	70565	Strand	-
Start	956	End	1840
Name	OJ000251_01.0216.C52.o1.tc	Method	TBLASTX:Cress
Start	283	End	699
GI	none	Score	394
Exons	283..693, 284..697, 288..695, 289..699, 414..698		

Seq. No.	34091	Seq. ID	OJ000251_01.0216.C52
Gene No.	70565	Strand	-
Start	956	End	1840
Name	OJ000251_01.0216.C52.o2.tc	Method	TBLASTX:Cress
Start	713	End	1229
GI	none	Score	158
Exons	713..922, 714..911, 714..932, 715..951, 715..936, 973..1227, 1038..1220, 1083..1229		

Seq. No.	34091	Seq. ID	OJ000251_01.0216.C52
Gene No.	70565	Strand	-
Start	956	End	1840
Name	OJ000251_01.0216.C52.o1.gp	Method	AAT/GAP
Start	956	End	1041
GI	LIB3432-013-P1-K1-E3	Score	133
Exons	956..1041		
GI Descrip.	'133446/sp P12093 RPOD_ORYSA 3.0e-09 DNA-DIRECTED RNA POLYMERASE BETA" CHAIN >gi_66986_pir_RNRZC2 DNA-directed RNA polymerase (EC 2.7.7.6) beta''-2 chain - rice chloroplast >gi_11973_emb_CAA33988_ (X15901) RNA polymerase beta'' subunit-2 [Oryza sativa]'		

Seq. No.	34091	Seq. ID	OJ000251_01.0216.C52
Gene No.	70565	Strand	-
Start	956	End	1840
Name	OJ000251_01.0216.C52.o2.tm	Method	TBLASTX:Maize
Start	1209	End	1625
GI	none	Score	138
Exons	1209..1331, 1216..1356, 1218..1331, 1225..1332, 1225..1335, 1228..1302, 1229..1276, 1230..1301, 1242..1280, 1246..1302, 1252..1362, 1256..1354, 1260..1307, 1261..1365, 1261..1335, 1261..1356, 1261..1335, 1261..1362, 1265..1366, 1272..1328, 1291..1365, 1294..1353, 1298..1384, 1298..1405, 1306..1374, 1319..1405, 1334..1402, 1337..1393, 1340..1393, 1346..1444, 1346..1393, 1346..1444, 1346..1393, 1388..1552, 1388..1552, 1394..1549, 1412..1567, 1415..1549, 1423..1467, 1430..1570, 1430..1453, 1439..1570, 1451..1483, 1457..1522, 1471..1515, 1472..1522, 1474..1551, 1475..1561, 1480..1524, 1508..1570, 1528..1566, 1531..1569, 1548..1625		

Seq. No.	34091	Seq. ID	OJ000251_01.0216.C52
Gene No.	70565	Strand	-
Start	956	End	1840
Name	OJ000251_01.0216.C52.ol.tm	Method	TBLASTX:Maize
Start	1571	End	1840
GI	none	Score	46
Exons	1571..1609, 1634..1687, 1635..1838, 1636..1839, 1636..1839, 1736..1840		

Seq. No.	34091	Seq. ID	OJ000251_01.0216.C52
Gene No.	70565	Strand	-
Start	956	End	1840
Name	OJ000251_01.0216.C52.o3.tc	Method	TBLASTX:Cress
Start	1613	End	1839
GI	none	Score	66
Exons	1613..1720, 1635..1838, 1636..1839, 1636..1830, 1665..1838		

Seq. No.	34092	Seq. ID	OJ000251_01.0216.C53
Gene No.	70566	Strand	-
Start	1	End	385
Name	OJ000251_01.0216.C53.ol.ts	Method	TBLASTX:Soybean
Start	1	End	383
GI	none	Score	86
Exons	1..123, 2..106, 4..123, 127..381, 139..381, 152..382, 165..383		

Seq. No.	34092	Seq. ID	OJ000251_01.0216.C53
Gene No.	70566	Strand	-
Start	1	End	385
Name	OJ000251_01.0216.C53.ol.tc	Method	TBLASTX:Cress
Start	121	End	385
GI	none	Score	174
Exons	121..378, 127..384, 152..385, 180..383		

Seq. No.	34093	Seq. ID	OJ000251_01.0216.C54
Gene No.	70567	Strand	+
Start	804	End	1415
Name	OJ000251_01.0216.C54.ol.gp	Method	AAT/GAP
Start	804	End	1245
GI	LIB3431-005-P1-N1-A5	Score	869
Exons	804..1245		
GI Descrip.	'131251/sp P12094 PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir_FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_(X15901) PSII 32kDa protein [Oryza sativa] >gi_343212_(M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf_1503143A psbA gene [Oryza sativa] >gi_226406_prf_15'		

Seq. No.	34093	Seq. ID	OJ000251_01.0216.C54
Gene No.	70567	Strand	+
Start	804	End	1415
Name	OJ000251_01.0216.C54.ol.ts	Method	TBLASTX:Soybean
Start	877	End	1415
GI	none	Score	196
Exons	877..1032, 880..1053, 887..1054, 887..1060, 1192..1413, 1193..1411, 1199..1414, 1200..1415		

Seq. No.	34093	Seq. ID	OJ000251_01.0216.C54
Gene No.	70567	Strand	+
Start	804	End	1415
Name	OJ000251_01.0216.C54.o1.tm	Method	TBLASTX:Maize
Start	1011	End	1295
GI	none	Score	53
Exons	1011..1052, 1012..1068, 1012..1053, 1013..1057, 1064..1090, 1065..1091, 1086..1151, 1094..1132, 1103..1168, 1108..1173, 1165..1257, 1179..1295, 1185..1295		

Seq. No.	34094	Seq. ID	OJ000251_01.0216.C55
Gene No.	70568	Strand	
Start	44	End	609
Name	OJ000251_01.0216.C55.o1.tm	Method	TBLASTX:Maize
Start	44	End	609
GI	none	Score	198
Exons	44..172, 51..197, 52..201, 190..504, 195..503, 317..508, 507..572, 508..570, 509..571, 510..572, 558..608, 558..608, 574..609		

Seq. No.	34094	Seq. ID	OJ000251_01.0216.C55
Gene No.	70568	Strand	
Start	44	End	609
Name	OJ000251_01.0216.C55.o1.tw	Method	TBLASTX:Wheat
Start	80	End	353
GI	none	Score	391
Exons	80..352, 81..353, 81..353		

Seq. No.	34094	Seq. ID	OJ000251_01.0216.C55
Gene No.	70568	Strand	
Start	44	End	609
Name	OJ000251_01.0216.C55.o1.ts	Method	TBLASTX:Soybean
Start	222	End	473
GI	none	Score	279
Exons	222..473, 251..457		

Seq. No.	34094	Seq. ID	OJ000251_01.0216.C55
Gene No.	70568	Strand	
Start	44	End	609
Name	OJ000251_01.0216.C55.o1.tc	Method	TBLASTX:Cress
Start	248	End	480
GI	none	Score	237
Exons	248..460, 255..479, 262..480, 264..479		

Seq. No.	34095	Seq. ID	OJ000251_01.0216.C56
Gene No.	70569	Strand	+
Start	1	End	494
Name	OJ000251_01.0216.C56.o1.gp	Method	AAT/GAP
Start	1	End	494
GI	7587_1.R1084	Score	952
Exons	1..494		
GI Descrip.	'131283/sp P12158 PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir_F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	34095	Seq. ID	OJ000251_01.0216.C56
Gene No.	70570	Strand	+
Start	549	End	930
Name	OJ000251_01.0216.C56.o2.gp	Method	AAT/GAP
Start	549	End	930
GI	5607533	Score	605
Exons	549..930		
GI Descrip.	11957/emb X15901 CHOSXX 1.0e-145 Rice complete chloroplast genome		

Seq. No.	34095	Seq. ID	OJ000251_01.0216.C56
Gene No.	70571	Strand	+
Start	1662	End	1836
Name	OJ000251_01.0216.C56.o4.gp	Method	AAT/GAP
Start	1662	End	1836
GI	306_9.R1084	Score	238
Exons	1662..1836		
GI Descrip.	'287391/dbj D13111 RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	34095	Seq. ID	OJ000251_01.0216.C56
Gene No.	70572	Strand	-
Start	812	End	1270
Name	OJ000251_01.0216.C56.o1.tc	Method	TBLASTX:Cress
Start	1	End	417
GI	none	Score	419
Exons	1..234, 3..236, 216..347, 229..351, 230..346, 388..417		

Seq. No.	34095	Seq. ID	OJ000251_01.0216.C56
Gene No.	70572	Strand	-
Start	812	End	1270
Name	OJ000251_01.0216.C56.o1.ts	Method	TBLASTX:Soybean
Start	1	End	380
GI	none	Score	422
Exons	1..234, 3..236, 216..380, 230..343, 238..348		

Seq. No.	34095	Seq. ID	OJ000251_01.0216.C56
Gene No.	70572	Strand	-
Start	812	End	1270
Name	OJ000251_01.0216.C56.o1.tm	Method	TBLASTX:Maize
Start	1	End	383
GI	none	Score	414
Exons	1..237, 3..239, 231..353, 235..354, 235..354, 351..383, 352..381		

Seq. No.	34095	Seq. ID	OJ000251_01.0216.C56
Gene No.	70572	Strand	-
Start	812	End	1270
Name	OJ000251_01.0216.C56.o1.tw	Method	TBLASTX:Wheat
Start	34	End	446
GI	none	Score	357
Exons	34..237, 36..239, 216..380, 235..381, 235..381, 352..435, 374..445, 375..446		

Seq. No.	34095	Seq. ID	OJ000251_01.0216.C56
Gene No.	70572	Strand	-
Start	812	End	1270

Name	OJ000251_01.0216.C56.o2.ts	Method	TBLASTX:Soybean
Start	573	End	1150
GI	none	Score	76
Exons	573..629, 573..632, 575..634, 575..634, 623..652, 624..656, 827..874, 918..1142, 926..1150, 926..1138		

Seq. No.	34095	Seq. ID	OJ000251_01.0216.C56
Gene No.	70572	Strand	-
Start	812	End	1270
Name	OJ000251_01.0216.C56.o2.tm	Method	TBLASTX:Maize
Start	620	End	1235
GI	none	Score	77
Exons	620..709, 621..668, 622..669, 680..718, 807..905, 821..907, 822..905, 826..924, 862..1176, 872..1177, 908..1180, 1191..1235, 1196..1234		

Seq. No.	34095	Seq. ID	OJ000251_01.0216.C56
Gene No.	70572	Strand	-
Start	812	End	1270
Name	OJ000251_01.0216.C56.o2.tc	Method	TBLASTX:Cress
Start	621	End	1150
GI	none	Score	45
Exons	621..659, 700..768, 731..763, 829..876, 829..858, 921..1145, 926..1150, 926..1138, 927..1139, 934..1149		

Seq. No.	34095	Seq. ID	OJ000251_01.0216.C56
Gene No.	70572	Strand	-
Start	812	End	1270
Name	OJ000251_01.0216.C56.o3.gp	Method	AAT/GAP
Start	812	End	1270
GI	45273_1.R1084	Score	850
Exons	812..1270		
GI Descrip.	'1022811 4.0e-21 (U37703) ORF 62 [Hordeum vulgare]'		

Seq. No.	34095	Seq. ID	OJ000251_01.0216.C56
Gene No.	70573	Strand	-
Start	1649	End	2016
Name	OJ000251_01.0216.C56.o5.tm	Method	TBLASTX:Maize
Start	1649	End	2016
GI	none	Score	44
Exons	1649..1675, 1799..1876, 1803..1958, 1806..1961, 1954..2013, 1957..2016		

Seq. No.	34095	Seq. ID	OJ000251_01.0216.C56
Gene No.	70574	Strand	-
Start	2489	End	2761
Name	OJ000251_01.0216.C56.o3.tm	Method	TBLASTX:Maize
Start	2489	End	2761
GI	none	Score	66
Exons	2489..2557, 2490..2579, 2539..2643, 2547..2684, 2547..2687, 2549..2728, 2676..2759, 2677..2760, 2678..2761		

Seq. No.	34095	Seq. ID	OJ000251_01.0216.C56
Gene No.	70575	Strand	-
Start	3696	End	3898
Name	OJ000251_01.0216.C56.o4.tm	Method	TBLASTX:Maize
Start	3696	End	3898

GI	none	Score	61
Exons	3696..3740, 3697..3759, 3698..3757, 3742..3768, 3743..3769, 3755..3898, 3763..3888		
Seq. No.	34096	Seq. ID	OJ000251_01.0216.C57
Gene No.	70576	Strand	+
Start	1018	End	1129
Name	OJ000251_01.0216.C57.o1.gp	Method	AAT/GAP
Start	1018	End	1129
GI	1036999	Score	198
Exons	1018..1129		
GI Descrip.	11957/emb X15901 CHOSXX 2.0e-52 Rice complete chloroplast genome		

Seq. No.	34096	Seq. ID	OJ000251_01.0216.C57
Gene No.	70577	Strand	+
Start	1203	End	1625
Name	OJ000251_01.0216.C57.o1.tc	Method	TBLASTX:Cress
Start	195	End	332
GI	none	Score	191
Exons	195..332, 195..332		

Seq. No.	34096	Seq. ID	OJ000251_01.0216.C57
Gene No.	70577	Strand	+
Start	1203	End	1625
Name	OJ000251_01.0216.C57.o2.tm	Method	TBLASTX:Maize
Start	201	End	473
GI	none	Score	250
Exons	201..365, 201..383, 202..384, 202..384, 224..391, 429..473, 429..467		

Seq. No.	34096	Seq. ID	OJ000251_01.0216.C57
Gene No.	70577	Strand	+
Start	1203	End	1625
Name	OJ000251_01.0216.C57.o1.ts	Method	TBLASTX:Soybean
Start	946	End	1260
GI	none	Score	59
Exons	946..1026, 963..1070, 1092..1121, 1132..1260, 1138..1248		

Seq. No.	34096	Seq. ID	OJ000251_01.0216.C57
Gene No.	70577	Strand	+
Start	1203	End	1625
Name	OJ000251_01.0216.C57.o2.tc	Method	TBLASTX:Cress
Start	976	End	1302
GI	none	Score	41
Exons	976..1026, 979..1026, 1024..1095, 1092..1139, 1093..1140, 1129..1275, 1131..1250, 1141..1302		

Seq. No.	34096	Seq. ID	OJ000251_01.0216.C57
Gene No.	70577	Strand	+
Start	1203	End	1625
Name	OJ000251_01.0216.C57.o1.tm	Method	TBLASTX:Maize
Start	1053	End	1625
GI	none	Score	79
Exons	1053..1094, 1054..1095, 1054..1095, 1069..1140, 1098..1135, 1125..1301, 1129..1302, 1133..1309, 1135..1302, 1278..1508, 1280..1507, 1317..1385, 1338..1391, 1339..1386, 1340..1387, 1500..1544, 1503..1547, 1530..1619, 1536..1625		

Seq. No.	34096	Seq. ID	OJ000251_01.0216.C57
Gene No.	70577	Strand	+
Start	1203	End	1625
Name	OJ000251_01.0216.C57.o1.tw	Method	TBLASTX:Wheat
Start	1092	End	1290
GI	none	Score	50
Exons	1092..1139, 1093..1140, 1129..1290, 1131..1250, 1141..1284		

Seq. No.	34096	Seq. ID	OJ000251_01.0216.C57
Gene No.	70577	Strand	+
Start	1203	End	1625
Name	OJ000251_01.0216.C57.o2.gp	Method	AAT/GAP
Start	1203	End	1348
GI	LIB3432-021-P1-K1-A3	Score	213
Exons	1203..1348		
GI Descrip.	'11957/emb X15901 CHOSXX 1.0e-52 Rice complete chloroplast genome'		

Seq. No.	34097	Seq. ID	OJ000251_01.0216.C58
Gene No.	70578	Strand	-
Start	1450	End	1580
Name	OJ000251_01.0216.C58.o4.ts	Method	TBLASTX:Soybean
Start	12	End	149
GI	none	Score	128
Exons	12..140, 27..149		

Seq. No.	34097	Seq. ID	OJ000251_01.0216.C58
Gene No.	70578	Strand	-
Start	1450	End	1580
Name	OJ000251_01.0216.C58.o1.gp	Method	AAT/GAP
Start	1450	End	1580
GI	5607624	Score	215
Exons	1450..1580		
GI Descrip.	287391/dbj D13111 RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene		

Seq. No.	34097	Seq. ID	OJ000251_01.0216.C58
Gene No.	70579	Strand	
Start	1502	End	2159
Name	OJ000251_01.0216.C58.o2.tc	Method	TBLASTX:Cress
Start	1502	End	2072
GI	none	Score	38
Exons	1502..1537, 1507..1536, 1554..1628, 1554..1628, 1555..1629, 1679..1951, 1687..1953, 1687..1950, 1689..1952, 1954..2070, 1955..2065, 1965..2072, 1965..2072		

Seq. No.	34097	Seq. ID	OJ000251_01.0216.C58
Gene No.	70579	Strand	
Start	1502	End	2159
Name	OJ000251_01.0216.C58.o3.ts	Method	TBLASTX:Soybean
Start	1549	End	1952
GI	none	Score	52
Exons	1549..1653, 1566..1640, 1568..1663, 1657..1950, 1659..1952		

Seq. No.	34097	Seq. ID	OJ000251_01.0216.C58
Gene No.	70579	Strand	

Start	1502	End	2159
Name	OJ000251_01.0216.C58.o1.tm	Method	TBLASTX:Maize
Start	1567	End	1965
GI	none	Score	542
Exons	1567..1965, 1569..1964		

Seq. No.	34097	Seq. ID	OJ000251_01.0216.C58
Gene No.	70579	Strand	
Start	1502	End	2159
Name	OJ000251_01.0216.C58.o2.tm	Method	TBLASTX:Maize
Start	1966	End	2159
GI	none	Score	304
Exons	1966..2151, 1968..2156, 1968..2159		

Seq. No.	34097	Seq. ID	OJ000251_01.0216.C58
Gene No.	70580	Strand	
Start	2152	End	3148
Name	OJ000251_01.0216.C58.o1.tc	Method	TBLASTX:Cress
Start	2152	End	2512
GI	none	Score	483
Exons	2152..2511, 2154..2468, 2168..2512		

Seq. No.	34097	Seq. ID	OJ000251_01.0216.C58
Gene No.	70580	Strand	
Start	2152	End	3148
Name	OJ000251_01.0216.C58.o1.ts	Method	TBLASTX:Soybean
Start	2194	End	3025
GI	none	Score	568
Exons	2194..2598, 2196..2468, 2198..2599, 2458..2604, 2599..2748, 2600..2755, 2622..2765, 2769..3023, 2781..3023, 2794..3024, 2807..3025		

Seq. No.	34097	Seq. ID	OJ000251_01.0216.C58
Gene No.	70580	Strand	
Start	2152	End	3148
Name	OJ000251_01.0216.C58.o3.tc	Method	TBLASTX:Cress
Start	2513	End	2880
GI	none	Score	88
Exons	2513..2638, 2514..2594, 2521..2598, 2578..2760, 2599..2748, 2603..2761, 2604..2765, 2622..2765, 2769..2876, 2769..2876, 2788..2877, 2794..2880, 2822..2878		

Seq. No.	34097	Seq. ID	OJ000251_01.0216.C58
Gene No.	70580	Strand	
Start	2152	End	3148
Name	OJ000251_01.0216.C58.o5.tc	Method	TBLASTX:Cress
Start	2901	End	3148
GI	none	Score	49
Exons	2901..2951, 2911..2952, 2923..2958, 2952..3032, 2953..3042, 2953..2994, 2955..3032, 3043..3075, 3074..3148, 3106..3147		

Seq. No.	34097	Seq. ID	OJ000251_01.0216.C58
Gene No.	70581	Strand	
Start	3122	End	3666
Name	OJ000251_01.0216.C58.o2.ts	Method	TBLASTX:Soybean
Start	3122	End	3666
GI	none	Score	227

Exons 3122..3301, 3130..3282, 3132..3302, 3132..3311, 3145..3312, 3264..3446, 3279..3446, 3283..3468, 3439..3477, 3488..3625, 3492..3644, 3492..3626, 3493..3666, 3499..3663

Seq. No. 34097 Seq. ID OJ000251_01.0216.C58
Gene No. 70581 Strand
Start 3122 End 3666
Name OJ000251_01.0216.C58.o4.tc Method TBLASTX:Cress
Start 3213 End 3408
GI none Score 175
Exons 3213..3407, 3213..3407, 3214..3408, 3214..3408

Seq. No. 34098 Seq. ID OJ000251_01.0216.C59
Gene No. 70582 Strand
Start 1 End 333
Name OJ000251_01.0216.C59.o1.ts Method TBLASTX:Soybean
Start 1 End 333
GI none Score 145
Exons 1..135, 1..111, 3..113, 106..144, 155..292, 159..311, 159..293, 160..333, 166..330

Seq. No. 34099 Seq. ID OJ000251_01.0216.C61
Gene No. 70583 Strand
Start 2 End 354
Name OJ000251_01.0216.C61.o1.tm Method TBLASTX:Maize
Start 2 End 354
GI none Score 35
Exons 2..22, 31..93, 31..93, 35..94, 49..165, 51..167, 73..171, 189..218, 193..297, 224..298, 244..303, 246..302, 287..352, 288..353, 289..354

Seq. No. 34099 Seq. ID OJ000251_01.0216.C61
Gene No. 70584 Strand
Start 426 End 706
Name OJ000251_01.0216.C61.o1.tc Method TBLASTX:Cress
Start 426 End 706
GI none Score 47
Exons 426..452, 426..452, 427..453, 549..599, 550..693, 550..693, 563..706

Seq. No. 34099 Seq. ID OJ000251_01.0216.C61
Gene No. 70584 Strand
Start 426 End 706
Name OJ000251_01.0216.C61.o1.ts Method TBLASTX:Soybean
Start 426 End 692
GI none Score 177
Exons 426..521, 562..690, 563..691, 564..692, 566..691

Seq. No. 34100 Seq. ID OJ000251_01.0216.C62
Gene No. 70585 Strand
Start 1 End 573
Name OJ000251_01.0216.C62.o1.tm Method TBLASTX:Maize
Start 1 End 444
GI none Score 167
Exons 1..117, 1..117, 2..118, 2..118, 3..122, 112..195, 114..197, 115..195, 194..442, 195..443, 195..443, 196..444, 196..444

Seq. No.	34100	Seq. ID	OJ000251_01.0216.C62
Gene No.	70585	Strand	
Start	1	End	573
Name	OJ000251_01.0216.C62.o1.ts	Method	TBLASTX:Soybean
Start	1	End	573
GI	none	Score	35
Exons	1..21, 94..123, 217..252, 217..252, 254..322, 262..294, 276..347, 300..413, 332..430, 340..414, 349..483, 436..465, 456..536, 464..538, 472..558, 476..550, 502..573, 534..572		

Seq. No.	34100	Seq. ID	OJ000251_01.0216.C62
Gene No.	70585	Strand	
Start	1	End	573
Name	OJ000251_01.0216.C62.o1.tc	Method	TBLASTX:Cress
Start	46	End	573
GI	none	Score	44
Exons	46..84, 94..123, 130..204, 184..258, 189..353, 196..255, 240..347, 247..348, 330..401, 340..402, 361..399, 461..538, 466..537, 476..538, 531..572, 532..573, 532..573		

Seq. No.	34101	Seq. ID	OJ000251_00.0217.C1
Gene No.	70586	Strand	+
Start	53	End	432
Name	OJ000251_00.0217.C1.o1.gs	Method	GENSCAN
Start	53	End	432
GI	none	Score	.89
Exons	53..432		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70587	Strand	+
Start	255	End	4716
Name	OJ000251_00.0217.C4.o1.gs	Method	GENSCAN
Start	255	End	1906
GI	none	Score	.45
Exons	255..435, 1884..1906		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70587	Strand	+
Start	255	End	4716
Name	OJ000251_00.0217.C4.o1.np	Method	AAT/NAP
Start	1394	End	4716
GI	6721512	Score	102
Exons	1394..1424, 2992..3100, 3128..3232, 4689..4716		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70588	Strand	+
Start	15742	End	18560
Name	OJ000251_00.0217.C4.o1.gp	Method	AAT/GAP
Start	15742	End	16002
GI	700744	Score	502
Exons	15742..16002		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70588	Strand	+
Start	15742	End	18560
Name	OJ000251_00.0217.C4.o3.np	Method	AAT/NAP

Start	15854	End	18448
GI	2914693	Score	1937
Exons	15854..16663, 16700..17509, 17540..18448		
GI Descrip.	(AC003974) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70588	Strand	+
Start	15742	End	18560
Name	OJ000251_00.0217.C4.o2.gp	Method	AAT/GAP
Start	18184	End	18560
GI	3761893	Score	697
Exons	18184..18560		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70589	Strand	+
Start	29005	End	31561
Name	OJ000251_00.0217.C4.o7.gs	Method	GENSCAN
Start	29005	End	31561
GI	none	Score	.69
Exons	29005..29088, 29235..29351, 30525..30590, 30762..30957, 30998..31198, 31454..31561		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70590	Strand	-
Start	2972	End	13407
Name	OJ000251_00.0217.C4.o2.gs	Method	GENSCAN
Start	2972	End	13407
GI	none	Score	.48
Exons	2972..3037, 3471..3532, 3781..3997, 4121..4217, 4279..4361, 4696..4823, 4992..5186, 5289..5505, 5575..5745, 5977..6315, 6440..6853, 7160..7333, 7379..7506, 8659..8740, 9096..9994, 10415..10460, 10926..11051, 11070..11984, 12005..12426, 12576..13116, 13147..13407		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70590	Strand	-
Start	2972	End	13407
Name	OJ000251_00.0217.C4.o2.np	Method	AAT/NAP
Start	4942	End	12527
GI	6498441	Score	1524
Exons	4942..5223, 5317..6698, 9531..11962, 12308..12527		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70591	Strand	-
Start	19863	End	31593
Name	OJ000251_00.0217.C4.o1.tw	Method	TBLASTX:Wheat
Start	4951	End	5559
GI	none	Score	73
Exons	4951..5082, 4952..5077, 5107..5559		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70591	Strand	-
Start	19863	End	31593
Name	OJ000251_00.0217.C4.o3.tw	Method	TBLASTX:Wheat

Start 5680
 GI none
 Exons 5680..6066, 5684..6058

End 6066
 Score 181

Seq. No. 34102
 Gene No. 70591
 Start 19863
 Name OJ000251_00.0217.C4.o2.tm
 Start 5761
 GI none
 Exons 5761..6066, 5762..6049

Seq. ID OJ000251_00.0217.C4
 Strand -
 End 31593
 Method TBLASTX:Maize
 End 6066
 Score 172

Seq. No. 34102
 Gene No. 70591
 Start 19863
 Name OJ000251_00.0217.C4.o4.tm
 Start 6609
 GI none
 Exons 6609..6707, 6611..6715, 6611..6769, 25486..25749, 25487..25750

Seq. ID OJ000251_00.0217.C4
 Strand -
 End 31593
 Method TBLASTX:Maize
 End 25750
 Score 101

Seq. No. 34102
 Gene No. 70591
 Start 19863
 Name OJ000251_00.0217.C4.o2.tw
 Start 6611
 GI none
 Exons 6611..6934, 6618..6914, 25648..25749, 25649..25750

Seq. ID OJ000251_00.0217.C4
 Strand -
 End 31593
 Method TBLASTX:Wheat
 End 25750
 Score 195

Seq. No. 34102
 Gene No. 70591
 Start 19863
 Name OJ000251_00.0217.C4.o6.tw
 Start 7091
 GI none
 Exons 7091..7327, 7106..7315, 7209..7325, 10827..11000, 10828..11001, 25857..25976, 26014..26166

Seq. ID OJ000251_00.0217.C4
 Strand -
 End 31593
 Method TBLASTX:Wheat
 End 26166
 Score 109

Seq. No. 34102
 Gene No. 70591
 Start 19863
 Name OJ000251_00.0217.C4.o5.tw
 Start 11592
 GI none
 Exons 11592..11990, 11683..11865, 11938..11976, 29368..29610

Seq. ID OJ000251_00.0217.C4
 Strand -
 End 31593
 Method TBLASTX:Wheat
 End 29610
 Score 69

Seq. No. 34102
 Gene No. 70591
 Start 19863
 Name OJ000251_00.0217.C4.o6.tm
 Start 11754
 GI none
 Exons 11754..11993, 11755..12009, 29374..29643

Seq. ID OJ000251_00.0217.C4
 Strand -
 End 31593
 Method TBLASTX:Maize
 End 29643
 Score 100

Seq. No. 34102
 Gene No. 70591
 Start 19863
 Name OJ000251_00.0217.C4.o1.tc
 Method TBLASTX:Cress

Seq. ID OJ000251_00.0217.C4
 Strand -
 End 31593
 Method TBLASTX:Cress

Start	16139	End	18343
GI	none	Score	185
Exons	16139..16396, 16165..16236, 16385..16441, 16396..16428, 16484..16660, 16516..16656, 16772..16813, 16823..16942, 16941..16970, 17039..17122, 17408..17497, 17594..17728, 17762..17923, 18005..18124, 18194..18343		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70591	Strand	-
Start	19863	End	31593
Name	OJ000251_00.0217.C4.o1.tm	Method	TBLASTX:Maize
Start	16162	End	18109
GI	none	Score	86
Exons	16162..16242, 16163..16243, 16253..16396, 16388..16657, 16396..16656, 16765..16821, 16769..16819, 16834..16899, 17594..17758, 17603..17737, 17744..17947, 17776..17922, 18005..18109		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70591	Strand	-
Start	19863	End	31593
Name	OJ000251_00.0217.C4.o1.ts	Method	TBLASTX:Soybean
Start	16165	End	17923
GI	none	Score	188
Exons	16165..16263, 16166..16396, 16385..16441, 16484..16660, 16522..16659, 17429..17503, 17594..17728, 17747..17923		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70591	Strand	-
Start	19863	End	31593
Name	OJ000251_00.0217.C4.o7.tw	Method	TBLASTX:Wheat
Start	16484	End	18127
GI	none	Score	149
Exons	16484..16648, 16772..16813, 16808..16912, 17747..17950, 18005..18127		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70591	Strand	-
Start	19863	End	31593
Name	OJ000251_00.0217.C4.o2.ts	Method	TBLASTX:Soybean
Start	16835	End	18334
GI	none	Score	77
Exons	16835..16909, 16937..16975, 17990..18124, 18176..18334		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70591	Strand	-
Start	19863	End	31593
Name	OJ000251_00.0217.C4.o3.tm	Method	TBLASTX:Maize
Start	18112	End	18370
GI	none	Score	308
Exons	18112..18339, 18113..18370, 18203..18346		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70591	Strand	-
Start	19863	End	31593
Name	OJ000251_00.0217.C4.o4.gs	Method	GENSCAN
Start	19863	End	21678

GI	none	Score	.6
Exons	19863..19870, 20445..20609, 21351..21678		
Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70591	Strand	-
Start	19863	End	31593
Name	OJ000251_00.0217.C4.o4.np	Method	AAT/NAP
Start	20044	End	31593
GI	4406792	Score	579
Exons	20044..20120, 25128..25918, 25952..26429, 31566..31593		
GI Descrip.	(AC006304) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70591	Strand	-
Start	19863	End	31593
Name	OJ000251_00.0217.C4.o5.tm	Method	TBLASTX:Maize
Start	25123	End	25457
GI	none	Score	110
Exons	25123..25218, 25222..25344, 25242..25457		

Seq. No.	34102	Seq. ID	OJ000251_00.0217.C4
Gene No.	70591	Strand	-
Start	19863	End	31593
Name	OJ000251_00.0217.C4.o4.tw	Method	TBLASTX:Wheat
Start	25242	End	25617
GI	none	Score	80
Exons	25242..25457, 25459..25617, 25460..25615		

Seq. No.	34103	Seq. ID	OJ000251_00.0217.C6
Gene No.	70592	Strand	+
Start	173	End	4222
Name	OJ000251_00.0217.C6.o1.gs	Method	GENSCAN
Start	173	End	4222
GI	none	Score	.54
Exons	173..351, 408..583, 858..916, 2735..2869, 4082..4222		

Seq. No.	34104	Seq. ID	OJ000251_00.0217.C7
Gene No.	70593	Strand	+
Start	1	End	3050
Name	OJ000251_00.0217.C7.o1.np	Method	AAT/NAP
Start	1	End	1098
GI	6630699	Score	84
Exons	1..72, 1021..1098		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	34104	Seq. ID	OJ000251_00.0217.C7
Gene No.	70593	Strand	+
Start	1	End	3050
Name	OJ000251_00.0217.C7.o1.gs	Method	GENSCAN
Start	432	End	3050
GI	none	Score	.54
Exons	432..537, 697..728, 1290..1435, 1632..1693, 1720..1809, 2424..2596, 2880..3050		

Seq. No.	34104	Seq. ID	OJ000251_00.0217.C7
Gene No.	70594	Strand	+
Start	3322	End	19383
Name	OJ000251_00.0217.C7.o3.np	Method	AAT/NAP
Start	3322	End	4666
GI	6630699	Score	82
Exons	3322..3356, 4588..4666		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	34104	Seq. ID	OJ000251_00.0217.C7
Gene No.	70594	Strand	+
Start	3322	End	19383
Name	OJ000251_00.0217.C7.o5.np	Method	AAT/NAP
Start	4287	End	10888
GI	4538896	Score	328
Exons	4287..4309, 8307..8440, 9337..9861, 9957..10172, 10829..10888		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	34104	Seq. ID	OJ000251_00.0217.C7
Gene No.	70594	Strand	+
Start	3322	End	19383
Name	OJ000251_00.0217.C7.o4.np	Method	AAT/NAP
Start	4312	End	6778
GI	6539570	Score	193
Exons	4312..4342, 4826..4995, 5155..5228, 6717..6778		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	34104	Seq. ID	OJ000251_00.0217.C7
Gene No.	70594	Strand	+
Start	3322	End	19383
Name	OJ000251_00.0217.C7.o3.gs	Method	GENSCAN
Start	6757	End	8803
GI	none	Score	.74
Exons	6757..6833, 7485..7648, 8348..8455, 8607..8803		

Seq. No.	34104	Seq. ID	OJ000251_00.0217.C7
Gene No.	70594	Strand	+
Start	3322	End	19383
Name	OJ000251_00.0217.C7.o4.gs	Method	GENSCAN
Start	9660	End	13211
GI	none	Score	.46
Exons	9660..9872, 11389..11534, 12098..12282, 13096..13211		

Seq. No.	34104	Seq. ID	OJ000251_00.0217.C7
Gene No.	70594	Strand	+
Start	3322	End	19383
Name	OJ000251_00.0217.C7.o6.np	Method	AAT/NAP
Start	11571	End	19383
GI	322759	Score	113
Exons	11571..11666, 12149..12219, 13139..13242, 13470..13799, 19247..19383		
GI Descrip.	pistil extensin-like protein (clone pMG14) - common tobacco (fragment) gi 19927 emb CAA78393 (Z14015) pistil extensin like protein [Nicotiana tabacum]		

Seq. No.	34104	Seq. ID	OJ000251_00.0217.C7
Gene No.	70595	Strand	-
Start	1237	End	4528
Name	OJ000251_00.0217.C7.o2.np	Method	AAT/NAP
Start	1237	End	4528
GI	5922620	Score	361
Exons	1237..1366, 2709..3046, 3309..3345, 3983..4006, 4344..4448, 4490..4528		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34104	Seq. ID	OJ000251_00.0217.C7
Gene No.	70596	Strand	-
Start	4574	End	5008
Name	OJ000251_00.0217.C7.o1.gp	Method	AAT/GAP
Start	4574	End	5008
GI	LIB3479-006-Q6-K1-B11	Score	653
Exons	4574..5008		
GI Descrip.	'5734616/dbj AP000391.1 AP000391.1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	34104	Seq. ID	OJ000251_00.0217.C7
Gene No.	70597	Strand	-
Start	13755	End	17645
Name	OJ000251_00.0217.C7.o1.tm	Method	TBLASTX:Maize
Start	9807	End	10986
GI	none	Score	83
Exons	9807..9875, 9809..9874, 9949..10059, 9953..10081, 10065..10148, 10067..10177, 10114..10176, 10824..10952, 10836..10877, 10864..10986, 10864..10986		

Seq. No.	34104	Seq. ID	OJ000251_00.0217.C7
Gene No.	70597	Strand	-
Start	13755	End	17645
Name	OJ000251_00.0217.C7.o5.gs	Method	GENSCAN
Start	13755	End	17645
GI	none	Score	.52
Exons	13755..13832, 14181..14286, 14648..14844, 14886..14974, 15129..15269, 15493..15558, 16045..16165, 16319..16396, 16913..17114, 17207..17229, 17441..17645		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70598	Strand	+
Start	101	End	12199
Name	OJ000251_00.0217.C8.o1.gs	Method	GENSCAN
Start	101	End	4105
GI	none	Score	.94
Exons	101..151, 251..379, 1721..1826, 1870..1980, 2420..2476, 3281..4105		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70598	Strand	+
Start	101	End	12199
Name	OJ000251_00.0217.C8.o1.np	Method	AAT/NAP

Start	333	End	9023
GI	4249385	Score	88
Exons	333..379, 1721..1826, 2281..2322, 2420..2476, 3281..3490, 3614..3696, 3943..4044, 7976..8130, 8962..9023		
GI Descrip.	(AC005966) T2K10.11 [Arabidopsis thaliana]		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70598	Strand	+
Start	101	End	12199
Name	OJ000251_00.0217.C8.o2.gs	Method	GENSCAN
Start	5941	End	12082
GI	none	Score	.42
Exons	5941..6639, 6913..7456, 7608..7698, 8028..8910, 9078..9497, 9555..9839, 9957..10155, 10267..10621, 10915..11268, 11515..11758, 11867..12082		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70598	Strand	+
Start	101	End	12199
Name	OJ000251_00.0217.C8.o2.np	Method	AAT/NAP
Start	9087	End	12199
GI	5902445	Score	2929
Exons	9087..10932, 10965..12199		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70599	Strand	-
Start	3856	End	4296
Name	OJ000251_00.0217.C8.o1.gp	Method	AAT/GAP
Start	3856	End	4296
GI	none	Score	862
Exons	3856..4296		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70600	Strand	-
Start	13530	End	18212
Name	OJ000251_00.0217.C8.o2.ts	Method	TBLASTX:Soybean
Start	126	End	1787
GI	none	Score	47
Exons	126..152, 240..386, 252..380, 1721..1786, 1722..1787		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70600	Strand	-
Start	13530	End	18212
Name	OJ000251_00.0217.C8.o1.tc	Method	TBLASTX:Cress
Start	1721	End	3964
GI	none	Score	189
Exons	1721..1825, 1722..1829, 1723..1833, 2269..2340, 2419..2475, 2420..2479, 3281..3337, 3686..3772, 3709..3774, 3887..3964		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70600	Strand	-
Start	13530	End	18212
Name	OJ000251_00.0217.C8.o7.tw	Method	TBLASTX:Wheat
Start	3854	End	4114
GI	none	Score	174
Exons	3854..3964, 3919..3972, 4036..4104, 4037..4114, 4059..4106		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70600	Strand	-
Start	13530	End	18212
Name	OJ000251_00.0217.C8.o8.tw	Method	TBLASTX:Wheat
Start	7366	End	7757
GI	none	Score	62
Exons	7366..7416, 7423..7539, 7428..7475, 7480..7752, 7496..7699, 7698..7757		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70600	Strand	-
Start	13530	End	18212
Name	OJ000251_00.0217.C8.o4.tw	Method	TBLASTX:Wheat
Start	8386	End	8841
GI	none	Score	147
Exons	8386..8568, 8394..8495, 8605..8841, 8607..8723, 8617..8784		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70600	Strand	-
Start	13530	End	18212
Name	OJ000251_00.0217.C8.o1.tw	Method	TBLASTX:Wheat
Start	9032	End	9488
GI	none	Score	529
Exons	9032..9487, 9033..9488		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70600	Strand	-
Start	13530	End	18212
Name	OJ000251_00.0217.C8.o1.tm	Method	TBLASTX:Maize
Start	9162	End	9518
GI	none	Score	407
Exons	9162..9518, 9224..9517		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70600	Strand	-
Start	13530	End	18212
Name	OJ000251_00.0217.C8.o3.tm	Method	TBLASTX:Maize
Start	9573	End	9929
GI	none	Score	297
Exons	9573..9929, 9713..9928		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70600	Strand	-
Start	13530	End	18212
Name	OJ000251_00.0217.C8.o2.tw	Method	TBLASTX:Wheat
Start	9603	End	10027
GI	none	Score	444
Exons	9603..10025, 9606..9884, 9713..10027		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70600	Strand	-
Start	13530	End	18212
Name	OJ000251_00.0217.C8.o1.ts	Method	TBLASTX:Soybean
Start	9657	End	10082
GI	none	Score	287
Exons	9657..10082, 9716..9841		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70600	Strand	-
Start	13530	End	18212
Name	OJ000251_00.0217.C8.o6.tw	Method	TBLASTX:Wheat
Start	10169	End	10578
GI	none	Score	209
Exons	10169..10396, 10170..10394, 10404..10577, 10433..10576, 10513..10578		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70600	Strand	-
Start	13530	End	18212
Name	OJ000251_00.0217.C8.o3.ts	Method	TBLASTX:Soybean
Start	10293	End	10676
GI	none	Score	84
Exons	10293..10418, 10425..10676		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70600	Strand	-
Start	13530	End	18212
Name	OJ000251_00.0217.C8.o9.tw	Method	TBLASTX:Wheat
Start	10580	End	10874
GI	none	Score	208
Exons	10580..10870, 10581..10874		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70600	Strand	-
Start	13530	End	18212
Name	OJ000251_00.0217.C8.o2.tm	Method	TBLASTX:Maize
Start	11078	End	11380
GI	none	Score	63
Exons	11078..11149, 11126..11380, 11143..11379		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70600	Strand	-
Start	13530	End	18212
Name	OJ000251_00.0217.C8.o5.tw	Method	TBLASTX:Wheat
Start	11207	End	11560
GI	none	Score	333
Exons	11207..11449, 11210..11560, 11308..11550		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70600	Strand	-
Start	13530	End	18212
Name	OJ000251_00.0217.C8.o3.tw	Method	TBLASTX:Wheat
Start	11582	End	12190
GI	none	Score	328
Exons	11582..12034, 11587..11685, 11731..11838, 12059..12190, 12064..12189		

Seq. No.	34105	Seq. ID	OJ000251_00.0217.C8
Gene No.	70600	Strand	-
Start	13530	End	18212
Name	OJ000251_00.0217.C8.o3.np	Method	AAT/NAP
Start	13530	End	14753
GI	6721561	Score	1151

Exons 13530..14294, 14368..14426, 14497..14753
 GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]
 gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 34105 Seq. ID OJ000251_00.0217.C8
 Gene No. 70600 Strand -
 Start 13530 End 18212
 Name OJ000251_00.0217.C8.o4.np Method AAT/NAP
 Start 14034 End 15681
 GI 6721558 Score 259
 Exons 14034..14242, 14757..14881, 15582..15681
 GI Descrip. (AP001073) hypothetical protein [Oryza sativa]
 gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]

Seq. No. 34105 Seq. ID OJ000251_00.0217.C8
 Gene No. 70600 Strand -
 Start 13530 End 18212
 Name OJ000251_00.0217.C8.o5.np Method AAT/NAP
 Start 14890 End 18212
 GI 6721512 Score 73
 Exons 14890..14949, 16506..16638, 18187..18212
 GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No. 34106 Seq. ID OJ000251_00.0217.C10
 Gene No. 70601 Strand +
 Start 255 End 329
 Name OJ000251_00.0217.C10.o1.gs Method GENSCAN
 Start 255 End 329
 GI none Score .58
 Exons 255..329

Seq. No. 34107 Seq. ID OJ000251_00.0217.C11
 Gene No. 70602 Strand -
 Start 197 End 484
 Name OJ000251_00.0217.C11.o1.gs Method GENSCAN
 Start 197 End 484
 GI none Score .76
 Exons 197..358, 440..484

Seq. No. 34108 Seq. ID OJ000251_00.0217.C12
 Gene No. 70603 Strand +
 Start 1 End 2722
 Name OJ000251_00.0217.C12.o1.np Method AAT/NAP
 Start 1 End 2722
 GI 6630696 Score 4034
 Exons 1..2722
 GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related polypolyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No. 34108 Seq. ID OJ000251_00.0217.C12
 Gene No. 70603 Strand +
 Start 1 End 2722

Name	OJ000251_00.0217.C12.o1.gs	Method	GENSCAN
Start	337	End	1627
GI	none	Score	.63
Exons	337..697, 1084..1268, 1541..1627		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70604	Strand	+
Start	9187	End	10283
Name	OJ000251_00.0217.C12.o4.gs	Method	GENSCAN
Start	9187	End	10283
GI	none	Score	.49
Exons	9187..9295, 10038..10063, 10257..10283		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o2.tm	Method	TBLASTX:Maize
Start	304	End	738
GI	none	Score	266
Exons	304..738, 513..665		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o4.tw	Method	TBLASTX:Wheat
Start	381	End	573
GI	none	Score	257
Exons	381..572, 382..573		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o3.ts	Method	TBLASTX:Soybean
Start	526	End	924
GI	none	Score	176
Exons	526..747, 534..746, 751..924		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o1.tw	Method	TBLASTX:Wheat
Start	574	End	1331
GI	none	Score	532
Exons	574..1020, 581..667, 582..1028, 797..1027, 1020..1331, 1148..1321		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o4.ts	Method	TBLASTX:Soybean
Start	1266	End	1618
GI	none	Score	85
Exons	1266..1373, 1408..1569, 1412..1618		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710

Name	OJ000251_00.0217.C12.o1.tc	Method	TBLASTX:Cress
Start	1344	End	1603
GI	none	Score	79
Exons	1344..1415, 1397..1603		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o4.tm	Method	TBLASTX:Maize
Start	1403	End	1823
GI	none	Score	197
Exons	1403..1603, 1413..1463, 1538..1600, 1686..1823		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o3.tw	Method	TBLASTX:Wheat
Start	1412	End	1904
GI	none	Score	192
Exons	1412..1615, 1698..1904		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o2.ts	Method	TBLASTX:Soybean
Start	1757	End	2107
GI	none	Score	145
Exons	1757..1885, 1758..1916, 1918..2103, 1919..2104, 1925..2107		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o1.tm	Method	TBLASTX:Maize
Start	1912	End	2254
GI	none	Score	309
Exons	1912..2253, 1913..2254		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o2.tw	Method	TBLASTX:Wheat
Start	2111	End	2586
GI	none	Score	105
Exons	2111..2185, 2111..2191, 2116..2199, 2200..2586, 2201..2584		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o5.ts	Method	TBLASTX:Soybean
Start	2117	End	2458
GI	none	Score	85
Exons	2117..2230, 2152..2220, 2249..2458, 2254..2385		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o5.tw	Method	TBLASTX:Wheat

Start	2861	End	3240
GI	none	Score	62
Exons	2861..2932, 2862..2933, 2911..3003, 2934..3005, 2936..3016, 3005..3082, 3007..3075, 3008..3079, 3094..3240, 3098..3187		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o3.gs	Method	GENSCAN
Start	3949	End	7533
GI	none	Score	.42
Exons	3949..4139, 4314..4427, 6916..7200, 7293..7533		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o2.np	Method	AAT/NAP
Start	6710	End	7431
GI	6175153	Score	263
Exons	6710..6866, 6977..7200, 7293..7431		
GI Descrip.	(AC010796) unknown protein [Arabidopsis thaliana] gi 6453894 gb AAF09077.1 AC011663.13 (AC011663) unknown protein [Arabidopsis thaliana]		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o1.gp	Method	AAT/GAP
Start	6835	End	7710
GI	3847.1.R1084	Score	1259
Exons	6835..7200, 7293..7710		
GI Descrip.	'4678364/emb CAB41174.1 1.0e-19 (AL049659) putative protein [Arabidopsis thaliana]'		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o2.tc	Method	TBLASTX:Cress
Start	7046	End	7411
GI	none	Score	79
Exons	7046..7198, 7297..7410, 7310..7411		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o3.tm	Method	TBLASTX:Maize
Start	7046	End	7410
GI	none	Score	84
Exons	7046..7189, 7297..7410, 7298..7390		

Seq. No.	34108	Seq. ID	OJ000251_00.0217.C12
Gene No.	70605	Strand	-
Start	3949	End	7710
Name	OJ000251_00.0217.C12.o1.ts	Method	TBLASTX:Soybean
Start	7055	End	7410
GI	none	Score	71
Exons	7055..7201, 7104..7202, 7297..7410, 7301..7408		

Seq. No.	34109	Seq. ID	OJ000121_07.0222.C1
Gene No.	70606	Strand	+
Start	613	End	1483
Name	OJ000121_07.0222.C1.o1.tm	Method	TBLASTX:Maize
Start	63	End	524
GI	none	Score	169
Exons	63..374, 381..524		

Seq. No.	34109	Seq. ID	OJ000121_07.0222.C1
Gene No.	70606	Strand	+
Start	613	End	1483
Name	OJ000121_07.0222.C1.o2.np	Method	AAT/NAP
Start	613	End	1483
GI	4680492	Score	603
Exons	613..1483		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	34110	Seq. ID	OJ000121_07.0222.C2
Gene No.	70607	Strand	+
Start	2042	End	7194
Name	OJ000121_07.0222.C2.o1.gs	Method	GENSCAN
Start	2042	End	6479
GI	none	Score	.48
Exons	2042..2338, 2649..2921, 3132..3239, 3337..3612, 3696..4065, 4186..4972, 5362..5673, 6332..6479		

Seq. No.	34110	Seq. ID	OJ000121_07.0222.C2
Gene No.	70607	Strand	+
Start	2042	End	7194
Name	OJ000121_07.0222.C2.o2.np	Method	AAT/NAP
Start	2327	End	7194
GI	6539581	Score	737
Exons	2327..2379, 3365..3600, 3657..3722, 3792..3859, 3968..4972, 5128..5605, 7166..7194		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	34110	Seq. ID	OJ000121_07.0222.C2
Gene No.	70608	Strand	-
Start	31	End	2450
Name	OJ000121_07.0222.C2.o1.np	Method	AAT/NAP
Start	31	End	2450
GI	6554485	Score	553
Exons	31..132, 998..1448, 1628..2093, 2333..2450		
GI Descrip.	(AC012394) unknown protein [Arabidopsis thaliana] gi 6573714 gb AAF17634.1 AC009978_10 (AC009978) T23E18.26 [Arabidopsis thaliana]		

Seq. No.	34110	Seq. ID	OJ000121_07.0222.C2
Gene No.	70608	Strand	-
Start	31	End	2450
Name	OJ000121_07.0222.C2.o1.gp	Method	AAT/GAP
Start	926	End	1377
GI	none	Score	714
Exons	926..1377		

Seq. No.	34110	Seq. ID	OJ000121_07.0222.C2
Gene No.	70609	Strand	-
Start	6733	End	9098
Name	OJ000121_07.0222.C2.o1.ts	Method	TBLASTX:Soybean
Start	980	End	2087
GI	none	Score	137
Exons	980..1156, 1032..1145, 1040..1150, 1150..1236, 1157..1231, 1229..1288, 1310..1405, 1323..1406, 1628..1768, 1629..1757, 1771..1866, 1785..1871, 1864..1953, 1867..2061, 1868..2080, 1869..2087, 2018..2083		

Seq. No.	34110	Seq. ID	OJ000121_07.0222.C2
Gene No.	70609	Strand	-
Start	6733	End	9098
Name	OJ000121_07.0222.C2.o3.tm	Method	TBLASTX:Maize
Start	1019	End	1216
GI	none	Score	174
Exons	1019..1156, 1026..1145, 1150..1215, 1157..1216, 1160..1216		

Seq. No.	34110	Seq. ID	OJ000121_07.0222.C2
Gene No.	70609	Strand	-
Start	6733	End	9098
Name	OJ000121_07.0222.C2.o2.tc	Method	TBLASTX:Cress
Start	1032	End	1212
GI	none	Score	111
Exons	1032..1145, 1034..1156, 1040..1159, 1041..1157, 1150..1212, 1157..1210		

Seq. No.	34110	Seq. ID	OJ000121_07.0222.C2
Gene No.	70609	Strand	-
Start	6733	End	9098
Name	OJ000121_07.0222.C2.o1.tm	Method	TBLASTX:Maize
Start	1229	End	2083
GI	none	Score	59
Exons	1229..1303, 1230..1301, 1307..1405, 1308..1406, 1628..1711, 1629..1712, 1706..1783, 1707..1769, 1779..1871, 1780..1866, 1867..2061, 1868..2080, 1868..2083		

Seq. No.	34110	Seq. ID	OJ000121_07.0222.C2
Gene No.	70609	Strand	-
Start	6733	End	9098
Name	OJ000121_07.0222.C2.o1.tc	Method	TBLASTX:Cress
Start	1352	End	2007
GI	none	Score	123
Exons	1352..1402, 1628..1768, 1629..1784, 1771..1872, 1785..1871, 1867..2007, 1868..2005		

Seq. No.	34110	Seq. ID	OJ000121_07.0222.C2
Gene No.	70609	Strand	-
Start	6733	End	9098
Name	OJ000121_07.0222.C2.o2.tw	Method	TBLASTX:Wheat
Start	4032	End	4349
GI	none	Score	228
Exons	4032..4349		

Seq. No.	34110	Seq. ID	OJ000121_07.0222.C2
Gene No.	70609	Strand	-

Start	6733	End	9098
Name	OJ000121_07.0222.C2.o2.ts	Method	TBLASTX:Soybean
Start	4245	End	4790
GI	none	Score	413
Exons	4245..4790, 4245..4463, 4289..4534		
Seq. No.	34110	Seq. ID	OJ000121_07.0222.C2
Gene No.	70609	Strand	-
Start	6733	End	9098
Name	OJ000121_07.0222.C2.o2.tm	Method	TBLASTX:Maize
Start	4287	End	4922
GI	none	Score	232
Exons	4287..4592, 4323..4469, 4382..4573, 4614..4922		
Seq. No.	34110	Seq. ID	OJ000121_07.0222.C2
Gene No.	70609	Strand	-
Start	6733	End	9098
Name	OJ000121_07.0222.C2.o1.tw	Method	TBLASTX:Wheat
Start	4418	End	4850
GI	none	Score	269
Exons	4418..4579, 4419..4850		
Seq. No.	34110	Seq. ID	OJ000121_07.0222.C2
Gene No.	70609	Strand	-
Start	6733	End	9098
Name	OJ000121_07.0222.C2.o2.gs	Method	GENSCAN
Start	6733	End	9098
GI	none	Score	.77
Exons	6733..6862, 8089..8272, 8393..9098		
Seq. No.	34111	Seq. ID	OJ000121_07.0222.C4
Gene No.	70610	Strand	+
Start	1	End	1017
Name	OJ000121_07.0222.C4.o1.np	Method	AAT/NAP
Start	1	End	1017
GI	6721512	Score	141
Exons	1..55, 622..695, 722..859, 903..1017		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	34111	Seq. ID	OJ000121_07.0222.C4
Gene No.	70610	Strand	+
Start	1	End	1017
Name	OJ000121_07.0222.C4.o1.gs	Method	GENSCAN
Start	200	End	851
GI	none	Score	.7
Exons	200..370, 695..851		
Seq. No.	34112	Seq. ID	OJ000121_07.0222.C5
Gene No.	70611	Strand	+
Start	1759	End	5796
Name	OJ000121_07.0222.C5.o2.gs	Method	GENSCAN
Start	1759	End	5796
GI	none	Score	.81
Exons	1759..2808, 3103..3174, 5526..5658, 5669..5796		
Seq. No.	34112	Seq. ID	OJ000121_07.0222.C5
Gene No.	70611	Strand	+

Start	1759	End	5796
Name	OJ000121_07.0222.C5.o1.tw	Method	TBLASTX:Wheat
Start	1920	End	2268
GI	none	Score	452
Exons	1920..2246, 1924..2268, 1975..2247		

Seq. No.	34113	Seq. ID	OJ000121_07.0222.C6
Gene No.	70612	Strand	+
Start	501	End	1462
Name	OJ000121_07.0222.C6.o1.gs	Method	GENSCAN
Start	501	End	1462
GI	none	Score	.7
Exons	501..928, 1021..1073, 1112..1157, 1189..1346, 1440..1462		

Seq. No.	34113	Seq. ID	OJ000121_07.0222.C6
Gene No.	70613	Strand	+
Start	8982	End	14178
Name	OJ000121_07.0222.C6.o3.gs	Method	GENSCAN
Start	8982	End	14178
GI	none	Score	.72
Exons	8982..9405, 9624..9644, 9923..10055, 12193..12248, 12253..12411, 13901..14178		

Seq. No.	34113	Seq. ID	OJ000121_07.0222.C6
Gene No.	70613	Strand	+
Start	8982	End	14178
Name	OJ000121_07.0222.C6.o1.gp	Method	AAT/GAP
Start	9613	End	10085
GI	4716318	Score	538
Exons	9613..9685, 9760..9828, 9884..10085		

Seq. No.	34113	Seq. ID	OJ000121_07.0222.C6
Gene No.	70614	Strand	-
Start	1	End	6849
Name	OJ000121_07.0222.C6.o1.np	Method	AAT/NAP
Start	1	End	4157
GI	4206306	Score	1566
Exons	1..32, 496..661, 1979..4157		

GI Descrip. (AF049110) prpol [Zea mays]

Seq. No.	34113	Seq. ID	OJ000121_07.0222.C6
Gene No.	70614	Strand	-
Start	1	End	6849
Name	OJ000121_07.0222.C6.o2.np	Method	AAT/NAP
Start	98	End	6849
GI	5922631	Score	931
Exons	98..131, 1941..2768, 3375..4097, 4148..4392, 4521..4612, 4724..5075, 6813..6849		

GI Descrip. (AP000492) ESTs C26347(C12145), AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145), AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ

Seq. No.	34113	Seq. ID	OJ000121_07.0222.C6
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Gene No.	70614	Strand	-
Start	1	End	6849
Name	OJ000121_07.0222.C6.o2.gs	Method	GENSCAN
Start	1910	End	6839
GI	none	Score	.46
Exons	1910..2311, 2376..2498, 2550..4072, 4172..4618, 4765..4864, 4977..5087, 5764..6029, 6169..6255, 6821..6839		

Seq. No.	34113	Seq. ID	OJ000121_07.0222.C6
Gene No.	70614	Strand	-
Start	1	End	6849
Name	OJ000121_07.0222.C6.o4.tw	Method	TBLASTX:Wheat
Start	1953	End	2215
GI	none	Score	110
Exons	1953..2162, 1991..2215		

Seq. No.	34113	Seq. ID	OJ000121_07.0222.C6
Gene No.	70614	Strand	-
Start	1	End	6849
Name	OJ000121_07.0222.C6.o1.ts	Method	TBLASTX:Soybean
Start	2355	End	2741
GI	none	Score	57
Exons	2355..2741, 2365..2433, 2461..2691		

Seq. No.	34113	Seq. ID	OJ000121_07.0222.C6
Gene No.	70614	Strand	-
Start	1	End	6849
Name	OJ000121_07.0222.C6.o5.tw	Method	TBLASTX:Wheat
Start	2362	End	2582
GI	none	Score	53
Exons	2362..2454, 2367..2582, 2469..2579		

Seq. No.	34113	Seq. ID	OJ000121_07.0222.C6
Gene No.	70614	Strand	-
Start	1	End	6849
Name	OJ000121_07.0222.C6.o2.tm	Method	TBLASTX:Maize
Start	2460	End	2843
GI	none	Score	210
Exons	2460..2843, 2473..2820		

Seq. No.	34113	Seq. ID	OJ000121_07.0222.C6
Gene No.	70614	Strand	-
Start	1	End	6849
Name	OJ000121_07.0222.C6.o1.tw	Method	TBLASTX:Wheat
Start	2583	End	3002
GI	none	Score	147
Exons	2583..3002, 2584..2799, 2833..3000		

Seq. No.	34113	Seq. ID	OJ000121_07.0222.C6
Gene No.	70614	Strand	-
Start	1	End	6849
Name	OJ000121_07.0222.C6.o1.tm	Method	TBLASTX:Maize
Start	2871	End	3228
GI	none	Score	202
Exons	2871..3227, 2872..3228		

Seq. No.	34113	Seq. ID	OJ000121_07.0222.C6
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Gene No.	70614	Strand	-
Start	1	End	6849
Name	OJ000121_07.0222.C6.o2.tw	Method	TBLASTX:Wheat
Start	3003	End	3356
GI	none	Score	62
Exons	3003..3116, 3003..3356, 3004..3330, 3027..3113		

Seq. No.	34113	Seq. ID	OJ000121_07.0222.C6
Gene No.	70614	Strand	-
Start	1	End	6849
Name	OJ000121_07.0222.C6.o3.tw	Method	TBLASTX:Wheat
Start	3558	End	3905
GI	none	Score	83
Exons	3558..3773, 3559..3657, 3564..3737, 3780..3905		

Seq. No.	34113	Seq. ID	OJ000121_07.0222.C6
Gene No.	70615	Strand	-
Start	12791	End	13724
Name	OJ000121_07.0222.C6.o3.tm	Method	TBLASTX:Maize
Start	12791	End	13724
GI	none	Score	61
Exons	12791..12892, 12792..12890, 12799..12915, 12799..12876,		

12799..12909, 12800..12898, 12802..12906, 12803..12901,
12804..12917, 12806..12880, 12926..13027, 12928..13068,
12935..13021, 12936..13052, 12937..13062, 12938..13045,
12939..13046, 12945..13028, 12970..13035, 12973..13053,
13082..13231, 13085..13243, 13086..13190, 13090..13197,
13091..13237, 13094..13234, 13095..13178, 13100..13201,
13101..13163, 13102..13242, 13181..13249, 13181..13249,
13249..13407, 13299..13409, 13306..13407, 13307..13414,
13307..13408, 13307..13414, 13307..13414, 13308..13418,
13310..13414, 13311..13391, 13312..13392, 13322..13423,
13450..13551, 13453..13563, 13455..13583, 13463..13588,
13466..13549, 13470..13565, 13477..13560, 13494..13565,
13569..13691, 13584..13709, 13587..13724, 13597..13653

Seq. No.	34114	Seq. ID	OJ000121_07.0222.C7
Gene No.	70616	Strand	+
Start	829	End	1154
Name	OJ000121_07.0222.C7.o1.gp	Method	AAT/GAP
Start	829	End	1154
GI	4716319	Score	554
Exons	829..1154		

Seq. No.	34115	Seq. ID	OJ000121_07.0222.C8
Gene No.	70617	Strand	+
Start	231	End	5442
Name	OJ000121_07.0222.C8.o1.gs	Method	GENSCAN
Start	231	End	5442
GI	none	Score	.66
Exons	231..400, 634..703, 839..995, 1438..1590, 1682..2222, 2291..2397, 2430..2563, 2576..3028, 3034..3123, 3251..3523, 3545..3742, 3772..4011, 4247..4324, 5144..5319, 5376..5442		

Seq. No.	34115	Seq. ID	OJ000121_07.0222.C8
Gene No.	70618	Strand	-
Start	6207	End	10874

Name	OJ000121_07.0222.C8.o2.gs	Method	GENSCAN
Start	6207	End	10850
GI	none	Score	.86
Exons	6207..6822, 7248..7572, 9021..9114, 9295..9819, 9981..10850		

Seq. No.	34115	Seq. ID	OJ000121_07.0222.C8
Gene No.	70618	Strand	-
Start	6207	End	10874
Name	OJ000121_07.0222.C8.o1.tm	Method	TBLASTX:Maize
Start	8597	End	9300
GI	none	Score	89
Exons	8597..8809, 8598..8708, 8599..9300, 8609..9292		

Seq. No.	34115	Seq. ID	OJ000121_07.0222.C8
Gene No.	70618	Strand	-
Start	6207	End	10874
Name	OJ000121_07.0222.C8.o2.ts	Method	TBLASTX:Soybean
Start	8623	End	9282
GI	none	Score	45
Exons	8623..8874, 8765..8881, 8893..9282, 8894..9277		

Seq. No.	34115	Seq. ID	OJ000121_07.0222.C8
Gene No.	70618	Strand	-
Start	6207	End	10874
Name	OJ000121_07.0222.C8.o1.np	Method	AAT/NAP
Start	8626	End	10874
GI	6630685	Score	3693
Exons	8626..10874		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	34115	Seq. ID	OJ000121_07.0222.C8
Gene No.	70618	Strand	-
Start	6207	End	10874
Name	OJ000121_07.0222.C8.o1.tc	Method	TBLASTX:Cress
Start	8644	End	9099
GI	none	Score	84
Exons	8644..8856, 8696..8863, 8875..9009, 9013..9099		

Seq. No.	34115	Seq. ID	OJ000121_07.0222.C8
Gene No.	70618	Strand	-
Start	6207	End	10874
Name	OJ000121_07.0222.C8.o3.tw	Method	TBLASTX:Wheat
Start	8677	End	9144
GI	none	Score	113
Exons	8677..8865, 8884..9144		

Seq. No.	34115	Seq. ID	OJ000121_07.0222.C8
Gene No.	70618	Strand	-
Start	6207	End	10874
Name	OJ000121_07.0222.C8.o3.tm	Method	TBLASTX:Maize
Start	9415	End	9850
GI	none	Score	391
Exons	9415..9789, 9416..9793, 9444..9794, 9793..9849, 9798..9848, 9809..9850		

Seq. No.	34115	Seq. ID	OJ000121_07.0222.C8
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Gene No.	70618	Strand	-
Start	6207	End	10874
Name	OJ000121_07.0222.C8.o1.ts	Method	TBLASTX:Soybean
Start	9653	End	10260
GI	5509260	Score	114
Exons	9653..9793, 9655..9798, 9655..9798, 9792..10034, 9799..10035, 10029..10214, 10041..10259, 10207..10260		

GI Descrip. -

Seq. No.	34115	Seq. ID	OJ000121_07.0222.C8
Gene No.	70618	Strand	-
Start	6207	End	10874
Name	OJ000121_07.0222.C8.o1.tw	Method	TBLASTX:Wheat
Start	9667	End	10134
GI	none	Score	104
Exons	9667..9789, 9680..9793, 9792..10013, 9805..10011, 9821..10015, 10044..10118, 10045..10134		

Seq. No.	34115	Seq. ID	OJ000121_07.0222.C8
Gene No.	70618	Strand	-
Start	6207	End	10874
Name	OJ000121_07.0222.C8.o2.tc	Method	TBLASTX:Cress
Start	9792	End	10052
GI	none	Score	78
Exons	9792..10052, 9805..10050		

Seq. No.	34115	Seq. ID	OJ000121_07.0222.C8
Gene No.	70618	Strand	-
Start	6207	End	10874
Name	OJ000121_07.0222.C8.o4.tm	Method	TBLASTX:Maize
Start	9967	End	10284
GI	none	Score	322
Exons	9967..10284, 9969..10283		

Seq. No.	34115	Seq. ID	OJ000121_07.0222.C8
Gene No.	70618	Strand	-
Start	6207	End	10874
Name	OJ000121_07.0222.C8.o2.tm	Method	TBLASTX:Maize
Start	10293	End	10860
GI	none	Score	364
Exons	10293..10859, 10411..10860		

Seq. No.	34115	Seq. ID	OJ000121_07.0222.C8
Gene No.	70618	Strand	-
Start	6207	End	10874
Name	OJ000121_07.0222.C8.o2.tw	Method	TBLASTX:Wheat
Start	10398	End	10742
GI	none	Score	111
Exons	10398..10478, 10489..10653, 10500..10664, 10503..10667, 10653..10742, 10664..10732, 10666..10740		

Seq. No.	34115	Seq. ID	OJ000121_07.0222.C8
Gene No.	70618	Strand	-
Start	6207	End	10874
Name	OJ000121_07.0222.C8.o3.ts	Method	TBLASTX:Soybean
Start	10524	End	10860
GI	none	Score	60

Exons	10524..10859, 10675..10860		
Seq. No.	34116	Seq. ID	OJ000121_07.0222.C10
Gene No.	70619	Strand	+
Start	6576	End	11979
Name	OJ000121_07.0222.C10.o1.np	Method	AAT/NAP
Start	6576	End	8983
GI	6539588	Score	64
Exons	6576..6682, 7400..7609, 8971..8983		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	34116	Seq. ID	OJ000121_07.0222.C10
Gene No.	70619	Strand	+
Start	6576	End	11979
Name	OJ000121_07.0222.C10.o1.gp	Method	AAT/GAP
Start	8211	End	8687
GI	5003867	Score	624
Exons	8211..8391, 8501..8687		

Seq. No.	34116	Seq. ID	OJ000121_07.0222.C10
Gene No.	70619	Strand	+
Start	6576	End	11979
Name	OJ000121_07.0222.C10.o2.np	Method	AAT/NAP
Start	8523	End	11979
GI	6651245	Score	659
Exons	8523..8679, 9441..9479, 9655..9683, 9868..9930, 11278..11381, 11499..11979		
GI Descrip.	(AF154003) pirin [Lycopersicon esculentum]		

Seq. No.	34116	Seq. ID	OJ000121_07.0222.C10
Gene No.	70619	Strand	+
Start	6576	End	11979
Name	OJ000121_07.0222.C10.o1.ts	Method	TBLASTX:Soybean
Start	8591	End	11976
GI	none	Score	96
Exons	8591..8656, 8595..8675, 9431..9481, 9865..9930, 9867..9929, 11275..11418, 11277..11381, 11496..11648, 11500..11712, 11826..11975, 11827..11976		

Seq. No.	34116	Seq. ID	OJ000121_07.0222.C10
Gene No.	70619	Strand	+
Start	6576	End	11979
Name	OJ000121_07.0222.C10.o1.tm	Method	TBLASTX:Maize
Start	9822	End	11625
GI	none	Score	118
Exons	9822..9929, 9862..9930, 9862..9939, 11275..11319, 11275..11319, 11276..11320, 11322..11381, 11323..11382, 11496..11555, 11500..11556, 11523..11624, 11560..11625		

Seq. No.	34117	Seq. ID	OJ000121_07.0222.C11
Gene No.	70620	Strand	+
Start	195	End	821
Name	OJ000121_07.0222.C11.o1.tw	Method	TBLASTX:Wheat
Start	186	End	584
GI	none	Score	184
Exons	186..584		

Seq. No.	34117	Seq. ID	OJ000121_07.0222.C11
Gene No.	70620	Strand	+
Start	195	End	821
Name	OJ000121_07.0222.C11.o1.gs	Method	GENSCAN
Start	195	End	821
GI	none	Score	.99
Exons	195..821		

Seq. No.	34118	Seq. ID	OJ000121_07.0222.C12
Gene No.	70621	Strand	+
Start	842	End	994
Name	OJ000121_07.0222.C12.o1.tm	Method	TBLASTX:Maize
Start	61	End	532
GI	none	Score	314
Exons	61..249, 62..433, 63..278, 446..532		

Seq. No.	34118	Seq. ID	OJ000121_07.0222.C12
Gene No.	70621	Strand	+
Start	842	End	994
Name	OJ000121_07.0222.C12.o1.tw	Method	TBLASTX:Wheat
Start	257	End	627
GI	none	Score	347
Exons	257..625, 467..625, 502..627		

Seq. No.	34118	Seq. ID	OJ000121_07.0222.C12
Gene No.	70621	Strand	+
Start	842	End	994
Name	OJ000121_07.0222.C12.o2.tm	Method	TBLASTX:Maize
Start	703	End	994
GI	none	Score	177
Exons	703..816, 704..901, 860..892, 896..994		

Seq. No.	34118	Seq. ID	OJ000121_07.0222.C12
Gene No.	70621	Strand	+
Start	842	End	994
Name	OJ000121_07.0222.C12.o1.gs	Method	GENSCAN
Start	842	End	955
GI	none	Score	.49
Exons	842..955		

Seq. No.	34119	Seq. ID	OJ000121_07.0222.C13
Gene No.	70622	Strand	-
Start	1058	End	1802
Name	OJ000121_07.0222.C13.o1.gs	Method	GENSCAN
Start	1058	End	1802
GI	none	Score	1
Exons	1058..1212, 1571..1802		

Seq. No.	34119	Seq. ID	OJ000121_07.0222.C13
Gene No.	70623	Strand	-
Start	4045	End	4237
Name	OJ000121_07.0222.C13.o1.ts	Method	TBLASTX:Soybean
Start	1058	End	1212
GI	none	Score	193
Exons	1058..1210, 1059..1211, 1060..1212		

Seq. No.	34119	Seq. ID	OJ000121_07.0222.C13
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Gene No.	70623	Strand	-
Start	4045	End	4237
Name	OJ000121_07.0222.C13.o1.np	Method	AAT/NAP
Start	4045	End	4237
GI	6002799	Score	104
Exons	4045..4237		
GI Descrip.	(AF149815) unknown [Oryza sativa]		

Seq. No.	34120	Seq. ID	OJ000121_07.0222.C14
Gene No.	70624	Strand	+
Start	1	End	2807
Name	OJ000121_07.0222.C14.o1.np	Method	AAT/NAP
Start	1	End	2807
GI	2244874	Score	45
Exons	1..37, 601..690, 1531..1764, 2746..2807		
GI Descrip.	(Z97338) cell wall protein like [Arabidopsis thaliana]		

Seq. No.	34120	Seq. ID	OJ000121_07.0222.C14
Gene No.	70624	Strand	+
Start	1	End	2807
Name	OJ000121_07.0222.C14.o1.gs	Method	GENSCAN
Start	119	End	2800
GI	none	Score	.44
Exons	119..197, 342..393, 534..803, 1506..1598, 1855..1984, 2682..2800		

Seq. No.	34121	Seq. ID	OJ000121_07.0222.C15
Gene No.	70625	Strand	+
Start	1	End	3924
Name	OJ000121_07.0222.C15.o1.np	Method	AAT/NAP
Start	1	End	3719
GI	4680203	Score	1537
Exons	1..61, 569..2217, 2248..2311, 2468..2695, 2972..3719		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	34121	Seq. ID	OJ000121_07.0222.C15
Gene No.	70625	Strand	+
Start	1	End	3924
Name	OJ000121_07.0222.C15.o1.gs	Method	GENSCAN
Start	871	End	3924
GI	none	Score	.44
Exons	871..1441, 1449..1609, 1943..3109, 3182..3694, 3727..3924		

Seq. No.	34121	Seq. ID	OJ000121_07.0222.C15
Gene No.	70625	Strand	+
Start	1	End	3924
Name	OJ000121_07.0222.C15.o3.tw	Method	TBLASTX:Wheat
Start	1051	End	1519
GI	none	Score	196
Exons	1051..1371, 1053..1349, 1430..1519		

Seq. No.	34121	Seq. ID	OJ000121_07.0222.C15
Gene No.	70625	Strand	+
Start	1	End	3924
Name	OJ000121_07.0222.C15.o1.ts	Method	TBLASTX:Soybean
Start	1219	End	1663
GI	none	Score	112
Exons	1219..1341, 1396..1662, 1430..1663		

Seq. No.	34121	Seq. ID	OJ000121_07.0222.C15
Gene No.	70625	Strand	+
Start	1	End	3924
Name	OJ000121_07.0222.C15.o2.tc	Method	TBLASTX:Cress
Start	1432	End	1744
GI	none	Score	253
Exons	1432..1548, 1433..1744, 1588..1686		

Seq. No.	34121	Seq. ID	OJ000121_07.0222.C15
Gene No.	70625	Strand	+
Start	1	End	3924
Name	OJ000121_07.0222.C15.o2.tm	Method	TBLASTX:Maize
Start	1507	End	1724
GI	none	Score	270
Exons	1507..1713, 1517..1723, 1517..1723, 1518..1724		

Seq. No.	34121	Seq. ID	OJ000121_07.0222.C15
Gene No.	70625	Strand	+
Start	1	End	3924
Name	OJ000121_07.0222.C15.o2.tw	Method	TBLASTX:Wheat
Start	1529	End	1831
GI	none	Score	302
Exons	1529..1831, 1537..1803		

Seq. No.	34121	Seq. ID	OJ000121_07.0222.C15
Gene No.	70625	Strand	+
Start	1	End	3924
Name	OJ000121_07.0222.C15.o1.tm	Method	TBLASTX:Maize
Start	2561	End	2944
GI	none	Score	56
Exons	2561..2629, 2630..2944, 2638..2943		

Seq. No.	34121	Seq. ID	OJ000121_07.0222.C15
Gene No.	70625	Strand	+
Start	1	End	3924
Name	OJ000121_07.0222.C15.o1.tw	Method	TBLASTX:Wheat
Start	2585	End	3721
GI	none	Score	522
Exons	2585..3307, 2635..2769, 2818..3117, 3172..3273, 3320..3520, 3376..3492, 3497..3586, 3517..3615, 3617..3721		

Seq. No.	34121	Seq. ID	OJ000121_07.0222.C15
Gene No.	70625	Strand	+
Start	1	End	3924
Name	OJ000121_07.0222.C15.o1.tc	Method	TBLASTX:Cress
Start	2876	End	3301
GI	none	Score	279
Exons	2876..3301, 2884..3117, 3172..3273		

Seq. No.	34121	Seq. ID	OJ000121_07.0222.C15
Gene No.	70625	Strand	+
Start	1	End	3924
Name	OJ000121_07.0222.C15.o3.tm	Method	TBLASTX:Maize
Start	3194	End	3486
GI	none	Score	163
Exons	3194..3370, 3376..3486, 3377..3484		

Seq. No.	34122	Seq. ID	OJ000121_07.0222.C16
Gene No.	70626	Strand	+
Start	141	End	2931
Name	OJ000121_07.0222.C16.o1.np	Method	AAT/NAP
Start	141	End	2931
GI	6721512	Score	76
Exons	141..186, 2035..2156, 2867..2931		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	34122	Seq. ID	OJ000121_07.0222.C16
Gene No.	70626	Strand	+
Start	141	End	2931
Name	OJ000121_07.0222.C16.o1.gs	Method	GENSCAN
Start	548	End	2832
GI	none	Score	.74
Exons	548..682, 2092..2196, 2617..2832		

Seq. No.	34123	Seq. ID	OJ000121_07.0222.C17
Gene No.	70627	Strand	+
Start	2824	End	3957
Name	OJ000121_07.0222.C17.o1.gs	Method	GENSCAN
Start	2824	End	3957
GI	none	Score	.7
Exons	2824..2998, 3392..3429, 3793..3957		

Seq. No.	34124	Seq. ID	OJ000121_07.0222.C18
Gene No.	70628	Strand	+
Start	25	End	3116
Name	OJ000121_07.0222.C18.o1.gs	Method	GENSCAN
Start	25	End	3116
GI	none	Score	.94
Exons	25..428, 829..880, 2472..3116		

Seq. No.	34124	Seq. ID	OJ000121_07.0222.C18
Gene No.	70629	Strand	-
Start	1	End	7582
Name	OJ000121_07.0222.C18.o1.np	Method	AAT/NAP
Start	1	End	5386
GI	4972046	Score	320
Exons	1..46, 3467..3673, 4580..4767, 5320..5386		
GI Descrip.	(AL078470) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	34124	Seq. ID	OJ000121_07.0222.C18
Gene No.	70629	Strand	-
Start	1	End	7582
Name	OJ000121_07.0222.C18.o2.gs	Method	GENSCAN
Start	3273	End	7582
GI	none	Score	.52
Exons	3273..3683, 4596..4767, 5320..5427, 5692..6050, 7526..7582		

Seq. No.	34124	Seq. ID	OJ000121_07.0222.C18
Gene No.	70629	Strand	-
Start	1	End	7582
Name	OJ000121_07.0222.C18.o1.tm	Method	TBLASTX:Maize
Start	3517	End	3662
GI	none	Score	149

Exons 3517..3660, 3519..3662

Seq. No.	34125	Seq. ID	OJ000121_07.0222.C19
Gene No.	70630	Strand	+
Start	2822	End	5531
Name	OJ000121_07.0222.C19.o1.np	Method	AAT/NAP
Start	2822	End	5531
GI	4008446	Score	124
Exons	2822..2921, 4251..4366, 4544..4652, 5466..5531		
GI Descrip.	(AL034488) predicted using Genefinder; cDNA EST EMBL:C08771 comes from this gene; cDNA EST EMBL:C07412 comes from this gene [Caenorhabditis elegans]		

Seq. No.	34125	Seq. ID	OJ000121_07.0222.C19
Gene No.	70630	Strand	+
Start	2822	End	5531
Name	OJ000121_07.0222.C19.o1.tm	Method	TBLASTX:Maize
Start	4203	End	4604
GI	none	Score	202
Exons	4203..4358, 4228..4365, 4270..4362, 4271..4363, 4497..4598, 4498..4593, 4542..4604, 4547..4603		

Seq. No.	34126	Seq. ID	OJ000121_07.0222.C20
Gene No.	70631	Strand	-
Start	1	End	292
Name	OJ000121_07.0222.C20.o1.np	Method	AAT/NAP
Start	1	End	292
GI	4185311	Score	208
Exons	1..292		
GI Descrip.	(AF090446) polyprotein [Zea mays]		

Seq. No.	34126	Seq. ID	OJ000121_07.0222.C20
Gene No.	70631	Strand	-
Start	1	End	292
Name	OJ000121_07.0222.C20.o1.tm	Method	TBLASTX:Maize
Start	1	End	191
GI	none	Score	66
Exons	1..72, 3..68, 63..191, 76..183		

Seq. No.	34127	Seq. ID	OJ000251_05.0228.C1
Gene No.	70632	Strand	-
Start	98	End	710
Name	OJ000251_05.0228.C1.o1.gs	Method	GENSCAN
Start	98	End	619
GI	none	Score	.92
Exons	98..619		

Seq. No.	34127	Seq. ID	OJ000251_05.0228.C1
Gene No.	70632	Strand	-
Start	98	End	710
Name	OJ000251_05.0228.C1.o1.np	Method	AAT/NAP
Start	101	End	710
GI	6907089	Score	667
Exons	101..710		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	34128	Seq. ID	OJ000251_05.0228.C2
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Gene No.	70633	Strand	+
Start	8987	End	11268
Name	OJ000251_05.0228.C2.o2.np	Method	AAT/NAP
Start	8987	End	10828
GI	3080386	Score	115
Exons	8987..9012, 10165..10446, 10733..10828		
GI Descrip.	(AL022603) hypothetical protein [Arabidopsis thaliana] gi 3402761 emb CAA20207.1 (AL031187) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34128	Seq. ID	OJ000251_05.0228.C2
Gene No.	70633	Strand	+
Start	8987	End	11268
Name	OJ000251_05.0228.C2.o4.gs	Method	GENSCAN
Start	9998	End	11268
GI	none	Score	.58
Exons	9998..10080, 10131..10517, 11047..11151, 11169..11268		

Seq. No.	34128	Seq. ID	OJ000251_05.0228.C2
Gene No.	70634	Strand	+
Start	12558	End	13023
Name	OJ000251_05.0228.C2.o3.np	Method	AAT/NAP
Start	12558	End	13023
GI	2760319	Score	132
Exons	12558..12703, 12784..12852, 12972..13023		
GI Descrip.	(AC002130) F1N21.3 [Arabidopsis thaliana]		

Seq. No.	34128	Seq. ID	OJ000251_05.0228.C2
Gene No.	70635	Strand	-
Start	2257	End	4970
Name	OJ000251_05.0228.C2.o1.tw	Method	TBLASTX:Wheat
Start	168	End	4720
GI	none	Score	85
Exons	168..248, 328..369, 3511..3570, 3516..3587, 3688..3729, 3772..3813, 3913..4023, 3959..4024, 4670..4720		

Seq. No.	34128	Seq. ID	OJ000251_05.0228.C2
Gene No.	70635	Strand	-
Start	2257	End	4970
Name	OJ000251_05.0228.C2.o2.tm	Method	TBLASTX:Maize
Start	307	End	4724
GI	none	Score	81
Exons	307..363, 3514..3570, 3688..3723, 3730..3813, 3913..4026, 3962..4027, 4668..4724, 4670..4723		

Seq. No.	34128	Seq. ID	OJ000251_05.0228.C2
Gene No.	70635	Strand	-
Start	2257	End	4970
Name	OJ000251_05.0228.C2.o2.gs	Method	GENSCAN
Start	2257	End	4970
GI	none	Score	.73
Exons	2257..2367, 2507..2575, 2954..3113, 3221..3280, 3383..3570, 3691..3719, 3913..4027, 4842..4970		

Seq. No.	34128	Seq. ID	OJ000251_05.0228.C2
Gene No.	70635	Strand	-
Start	2257	End	4970

Name	OJ000251_05.0228.C2.o1.tm	Method	TBLASTX:Maize
Start	2289	End	3426
GI	none	Score	174
Exons	2289..2396, 2290..2394, 2507..2602, 2508..2603, 2911..3114, 2937..3116, 2943..3116, 2954..3121, 3214..3282, 3221..3286, 3221..3286, 3382..3426, 3382..3426		

Seq. No.	34128	Seq. ID	OJ000251_05.0228.C2
Gene No.	70635	Strand	-
Start	2257	End	4970
Name	OJ000251_05.0228.C2.o1.np	Method	AAT/NAP
Start	2298	End	4970
GI	2501231	Score	821
Exons	2298..2393, 2507..2575, 2954..3113, 3221..3280, 3383..3570, 3691..3807, 3913..4027, 4671..4726, 4842..4970		
GI Descrip.	HYPOTHETICAL 38.1 KD PROTEIN gi 99505 pir S24930 hypothetical protein - pink corydalis gi 18258 emb CAA45139 (X63595) protein of unknown function [Corydalis sempervirens] gi 444333 prf 1906382A pCSC71 protein [Corydalis sempervirens]		

Seq. No.	34128	Seq. ID	OJ000251_05.0228.C2
Gene No.	70635	Strand	-
Start	2257	End	4970
Name	OJ000251_05.0228.C2.o1.tc	Method	TBLASTX:Cress
Start	2307	End	3116
GI	none	Score	71
Exons	2307..2396, 2311..2394, 2507..2602, 2511..2576, 2937..3116, 2945..3115		

Seq. No.	34128	Seq. ID	OJ000251_05.0228.C2
Gene No.	70635	Strand	-
Start	2257	End	4970
Name	OJ000251_05.0228.C2.o1.ts	Method	TBLASTX:Soybean
Start	2307	End	3264
GI	none	Score	77
Exons	2307..2387, 2308..2388, 2508..2597, 2512..2586, 2513..2602, 2937..3119, 2945..3121, 3214..3264, 3220..3258		

Seq. No.	34129	Seq. ID	OJ000251_05.0228.C3
Gene No.	70636	Strand	+
Start	98	End	2660
Name	OJ000251_05.0228.C3.o1.gs	Method	GENSCAN
Start	98	End	2660
GI	none	Score	.67
Exons	98..187, 279..390, 859..880, 1204..1300, 1385..1446, 1542..1754, 2098..2178, 2448..2660		

Seq. No.	34129	Seq. ID	OJ000251_05.0228.C3
Gene No.	70637	Strand	+
Start	4274	End	5545
Name	OJ000251_05.0228.C3.o2.gs	Method	GENSCAN
Start	4274	End	5545
GI	none	Score	.68
Exons	4274..4475, 4731..4963, 5369..5545		

Seq. No.	34129	Seq. ID	OJ000251_05.0228.C3
Gene No.	70638	Strand	+

Start	7568	End	13075
Name	OJ000251_05.0228.C3.o3.gs	Method	GENSCAN
Start	7568	End	13075
GI	none	Score	.41
Exons	7568..8885, 11812..11860, 12466..13075		

Seq. No.	34129	Seq. ID	OJ000251_05.0228.C3
Gene No.	70638	Strand	+
Start	7568	End	13075
Name	OJ000251_05.0228.C3.o2.gp	Method	AAT/GAP
Start	12419	End	12736
GI	2280610	Score	598
Exons	12419..12736		

Seq. No.	34129	Seq. ID	OJ000251_05.0228.C3
Gene No.	70639	Strand	-
Start	7305	End	7406
Name	OJ000251_05.0228.C3.o1.gp	Method	AAT/GAP
Start	7305	End	7406
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	7305..7406		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA.2.0e-24 MAJOR POLLEN ALLERGEN ORY. S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]		

Seq. No.	34129	Seq. ID	OJ000251_05.0228.C3
Gene No.	70640	Strand	-
Start	12521	End	13033
Name	OJ000251_05.0228.C3.o1.np	Method	AAT/NAP
Start	12521	End	13033
GI	2347189	Score	347
Exons	12521..13033		
GI Descrip.	(AC002338) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34129	Seq. ID	OJ000251_05.0228.C3
Gene No.	70641	Strand	-
Start	13464	End	14350
Name	OJ000251_05.0228.C3.o2.tm	Method	TBLASTX:Maize
Start	10308	End	10971
GI	none	Score	77
Exons	10308..10463, 10325..10462, 10331..10432, 10332..10466, 10340..10465, 10458..10580, 10470..10580, 10474..10632, 10488..10610, 10514..10573, 10549..10629, 10603..10761, 10621..10776, 10622..10780, 10631..10738, 10631..10774, 10631..10771, 10632..10742, 10636..10788, 10723..10815, 10724..10816, 10761..10868, 10777..10869, 10804..10956, 10806..10961, 10807..10956, 10813..10971, 10816..10965, 10818..10964, 10819..10968, 10849..10923, 10895..10936		

Seq. No.	34129	Seq. ID	OJ000251_05.0228.C3
Gene No.	70641	Strand	-
Start	13464	End	14350
Name	OJ000251_05.0228.C3.o1.tc	Method	TBLASTX:Cress
Start	12758	End	13046
GI	none	Score	79
Exons	12758..12859, 12765..12857, 12866..13042, 12867..13046		

Seq. No.	34129	Seq. ID	OJ000251_05.0228.C3
Gene No.	70641	Strand	-
Start	13464	End	14350
Name	OJ000251_05.0228.C3.o1.tm	Method	TBLASTX:Maize
Start	12758	End	13034
GI	none	Score	93
Exons	12758..12865, 12768..12842, 12866..13033, 12867..13034		

Seq. No.	34129	Seq. ID	OJ000251_05.0228.C3
Gene No.	70641	Strand	-
Start	13464	End	14350
Name	OJ000251_05.0228.C3.o1.ts	Method	TBLASTX:Soybean
Start	12758	End	13049
GI	none	Score	167
Exons	12758..12865, 12866..13045, 12867..13049		

Seq. No.	34129	Seq. ID	OJ000251_05.0228.C3
Gene No.	70641	Strand	-
Start	13464	End	14350
Name	OJ000251_05.0228.C3.o4.gs	Method	GENSCAN
Start	13464	End	14350
GI	none	Score	41
Exons	13464..13528, 14248..14350		

Seq. No.	34130	Seq. ID	OJ000251_05.0228.C5
Gene No.	70642	Strand	-
Start	2329	End	5968
Name	OJ000251_05.0228.C5.o1.np	Method	AAT/NAP
Start	2329	End	4314
GI	6539556	Score	184
Exons	2329..2348, 4018..4314		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa] gi 6539593 dbj BAA88209.1 (AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	34130	Seq. ID	OJ000251_05.0228.C5
Gene No.	70642	Strand	-
Start	2329	End	5968
Name	OJ000251_05.0228.C5.o2.gs	Method	GENSCAN
Start	4177	End	5968
GI	none	Score	.41
Exons	4177..4359, 4986..5544, 5850..5968		

Seq. No.	34131	Seq. ID	OJ000251_05.0228.C6
Gene No.	70643	Strand	+
Start	1	End	718
Name	OJ000251_05.0228.C6.o1.np	Method	AAT/NAP
Start	1	End	718
GI	5042454	Score	1180
Exons	1..718		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	34131	Seq. ID	OJ000251_05.0228.C6
Gene No.	70643	Strand	+
Start	1	End	718
Name	OJ000251_05.0228.C6.o1.gs	Method	GENSCAN
Start	69	End	704

GI	none	Score	.49
Exons	69..704		
Seq. No.	34132	Seq. ID	OJ000251_05.0228.C8
Gene No.	70644	Strand	+
Start	181	End	290
Name	OJ000251_05.0228.C8.ol.gs	Method	GENSCAN
Start	181	End	290
GI	none	Score	.87
Exons	181..290		

Seq. No.	34132	Seq. ID	OJ000251_05.0228.C8
Gene No.	70645	Strand	-
Start	1	End	457
Name	OJ000251_05.0228.C8.ol.np	Method	AAT/NAP
Start	1	End	457
GI	2651302	Score	89
Exons	1..112, 195..457		
GI Descrip.	(AC002336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34133	Seq. ID	OJ000251_05.0228.C9
Gene No.	70646	Strand	+
Start	355	End	753
Name	OJ000251_05.0228.C9.ol.gs	Method	GENSCAN
Start	355	End	753
GI	none	Score	.6
Exons	355..753		

Seq. No.	34134	Seq. ID	OJ000251_05.0228.C10
Gene No.	70647	Strand	+
Start	15	End	103
Name	OJ000251_05.0228.C10.ol.gs	Method	GENSCAN
Start	15	End	103
GI	none	Score	.97
Exons	15..103		

Seq. No.	34135	Seq. ID	OJ000251_05.0228.C11
Gene No.	70648	Strand	+
Start	854	End	961
Name	OJ000251_05.0228.C11.ol.gs	Method	GENSCAN
Start	854	End	961
GI	none	Score	.68
Exons	854..961		

Seq. No.	34136	Seq. ID	OJ000251_05.0228.C13
Gene No.	70649	Strand	-
Start	317	End	487
Name	OJ000251_05.0228.C13.ol.gs	Method	GENSCAN
Start	317	End	487
GI	none	Score	.42
Exons	317..487		

Seq. No.	34137	Seq. ID	OJ000251_05.0228.C14
Gene No.	70650	Strand	+
Start	611	End	2075
Name	OJ000251_05.0228.C14.ol.gs	Method	GENSCAN
Start	611	End	2075

GI	none	Score	.47
Exons	611..695, 1668..1789, 1953..2075		
Seq. No.	34137	Seq. ID	OJ000251_05.0228.C14
Gene No.	70651	Strand	-
Start	2689	End	3147
Name	OJ000251_05.0228.C14.o2.gs	Method	GENSCAN
Start	2689	End	3147
GI	none	Score	.54
Exons	2689..2781, 2917..3147		
Seq. No.	34138	Seq. ID	OJ000251_05.0228.C15
Gene No.	70652	Strand	+
Start	439	End	519
Name	OJ000251_05.0228.C15.o1.gs	Method	GENSCAN
Start	439	End	519
GI	none	Score	.72
Exons	439..519		
Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70653	Strand	+
Start	161	End	2128
Name	OJ000251_05.0228.C16.o1.gp	Method	AAT/GAP
Start	161	End	2128
GI	22365.2.R1084	Score	1511
Exons	161..277, 895..1079, 1171..1368, 1455..1514, 1860..2128		
GI Descrip.	'2651302 7.0e-10 (AC002336) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70653	Strand	+
Start	161	End	2128
Name	OJ000251_05.0228.C16.o1.gs	Method	GENSCAN
Start	190	End	2009
GI	none	Score	.9
Exons	190..277, 895..1079, 1171..1368, 1455..1514, 1860..2009		
Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70653	Strand	+
Start	161	End	2128
Name	OJ000251_05.0228.C16.o1.np	Method	AAT/NAP
Start	193	End	2000
GI	6580155	Score	335
Exons	193..270, 918..1079, 1171..1368, 1455..1514, 1860..2000		
GI Descrip.	(AL132968) putative protein [Arabidopsis thaliana]		
Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70654	Strand	+
Start	7385	End	9654
Name	OJ000251_05.0228.C16.o3.gs	Method	GENSCAN
Start	7385	End	8886
GI	none	Score	.45
Exons	7385..7755, 8457..8602, 8732..8886		
Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70654	Strand	+
Start	7385	End	9654

Name	OJ000251_05.0228.C16.o3.gp	Method	AAT/GAP
Start	8554	End	9654
GI	2427608	Score	650
Exons	8554..8686, 9031..9088, 9466..9654		

Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70655	Strand	-
Start	2789	End	6333
Name	OJ000251_05.0228.C16.o2.gp	Method	AAT/GAP
Start	2592	End	3436
GI	3766731	Score	930
Exons	2592..2903, 3029..3096, 3200..3436		
GI Descrip.	2651302 7.0e-10 (AC002336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70655	Strand	-
Start	2789	End	6333
Name	OJ000251_05.0228.C16.o2.gs	Method	GENSCAN
Start	2789	End	6333
GI	none	Score	.95
Exons	2789..2903, 3029..3096, 3200..3424, 3507..3642, 3743..3945, 4065..4178, 4463..4621, 5064..5111, 5203..5328, 5637..5750, 6157..6333		

Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70655	Strand	-
Start	2789	End	6333
Name	OJ000251_05.0228.C16.o2.np	Method	AAT/NAP
Start	2792	End	6333
GI	2651302	Score	1041
Exons	2792..2903, 3029..3096, 3200..3424, 3507..3642, 3743..3945, 4065..4184, 4463..4621, 4706..4813, 5203..5328, 5448..5555, 5637..5750, 6157..6333		
GI Descrip.	(AC002336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70656	Strand	-
Start	8618	End	12414
Name	OJ000251_05.0228.C16.o3.np	Method	AAT/NAP
Start	8618	End	12414
GI	6714444	Score	842
Exons	8618..8709, 9427..10145, 10172..10622, 10669..10726, 10811..11420, 11493..11720, 11943..12414		
GI Descrip.	(AC011620) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70657	Strand	-
Start	13628	End	15481
Name	OJ000251_05.0228.C16.o3.ts	Method	TBLASTX:Soybean
Start	912	End	2027
GI	none	Score	136
Exons	912..1079, 1168..1380, 1170..1262, 1452..1514, 1847..1957, 1857..2027		

Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
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Gene No.	70657	Strand	-
Start	13628	End	15481
Name	OJ000251_05.0228.C16.o2.tc	Method	TBLASTX:Cress
Start	938	End	1955
GI	none	Score	109
Exons	938..1078, 954..1079, 1167..1370, 1168..1380, 1451..1489, 1452..1505, 1857..1955		

Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70657	Strand	-
Start	13628	End	15481
Name	OJ000251_05.0228.C16.o5.tm	Method	TBLASTX:Maize
Start	960	End	1320
GI	none	Score	130
Exons	960..1073, 986..1063, 1165..1320, 1170..1319		

Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70657	Strand	-
Start	13628	End	15481
Name	OJ000251_05.0228.C16.o2.tm	Method	TBLASTX:Maize
Start	2768	End	3566
GI	none	Score	129
Exons	2768..2911, 2826..2906, 2974..3096, 3030..3098, 3030..3098, 3031..3099, 3194..3427, 3195..3425, 3504..3566, 3505..3564		

Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70657	Strand	-
Start	13628	End	15481
Name	OJ000251_05.0228.C16.o2.ts	Method	TBLASTX:Soybean
Start	3022	End	3924
GI	5605823	Score	54
Exons	3022..3096, 3194..3283, 3237..3278, 3272..3427, 3306..3434, 3504..3644, 3505..3645, 3742..3924, 3761..3919		
GI Descrip.	2651302 4.0e-67 (AC002336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70657	Strand	-
Start	13628	End	15481
Name	OJ000251_05.0228.C16.o1.tm	Method	TBLASTX:Maize
Start	3619	End	4768
GI	none	Score	43
Exons	3619..3645, 3621..3644, 3736..3948, 3740..3970, 3741..3944, 3742..3945, 3743..3946, 4056..4187, 4060..4179, 4278..4346, 4282..4347, 4283..4345, 4460..4624, 4460..4627, 4703..4768, 4707..4766		

Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70657	Strand	-
Start	13628	End	15481
Name	OJ000251_05.0228.C16.o4.ts	Method	TBLASTX:Soybean
Start	5296	End	6334
GI	none	Score	61
Exons	5296..5328, 5445..5555, 5446..5556, 5602..5712, 5637..5714, 5637..5753, 6130..6234, 6259..6333, 6260..6334		

Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
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Gene No.	70657	Strand	-
Start	13628	End	15481
Name	OJ000251_05.0228.C16.o4.tm	Method	TBLASTX:Maize
Start	5482	End	6409
GI	none	Score	94
Exons	5482..5556, 5484..5555, 5635..5751, 5637..5753, 6154..6279, 6155..6307, 6209..6409, 6259..6333		

Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70657	Strand	-
Start	13628	End	15481
Name	OJ000251_05.0228.C16.o3.tm	Method	TBLASTX:Maize
Start	9533	End	11455
GI	none	Score	393
Exons	9533..9751, 9644..9781, 9653..9835, 9854..9919, 10077..10331, 10082..10630, 10083..10631, 10448..10633, 11105..11389, 11177..11314, 11189..11455, 11255..11368		

Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70657	Strand	-
Start	13628	End	15481
Name	OJ000251_05.0228.C16.o1.ts	Method	TBLASTX:Soybean
Start	9564	End	11737
GI	none	Score	155
Exons	9564..9953, 9569..9982, 9596..9898, 9650..9916, 9653..9829, 9656..9835, 9728..9955, 9728..9925, 9734..9835, 9866..9925, 10079..10120, 10160..10438, 10178..10423, 10178..10423, 10313..10444, 10412..10507, 10439..10498, 10451..10579, 10451..10558, 10460..10714, 10460..10594, 10580..10690, 10595..10630, 10802..10939, 11108..11290, 11114..11353, 11114..11317, 11117..11377, 11180..11488, 11255..11515, 11261..11599, 11327..11584, 11615..11737		

Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70657	Strand	-
Start	13628	End	15481
Name	OJ000251_05.0228.C16.o1.tc	Method	TBLASTX:Cress
Start	9590	End	11758
GI	none	Score	83
Exons	9590..9700, 9590..9925, 9590..9922, 9590..9874, 9590..9817, 9591..9899, 9605..9880, 9635..9925, 9644..9853, 9674..9835, 9788..9925, 10028..10132, 10151..10336, 10160..10444, 10160..10393, 10172..10450, 10172..10432, 10220..10423, 10241..10423, 10304..10525, 10422..10592, 10445..10591, 10448..10660, 10451..10642, 10451..10540, 10451..10555, 10451..10630, 10457..10588, 10457..10555, 10460..10642, 10460..10588, 10460..10567, 10634..10714, 10643..10714, 10817..10897, 10925..11029, 11105..11599, 11105..11521, 11105..11410, 11105..11314, 11105..11596, 11114..11491, 11114..11458, 11144..11314, 11168..11503, 11168..11428, 11213..11389, 11240..11449, 11309..11452, 11603..11734, 11615..11758		

Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70657	Strand	-
Start	13628	End	15481
Name	OJ000251_05.0228.C16.o1.tw	Method	TBLASTX:Wheat

Start	9590	End	11746
GI	none	Score	78
Exons	9590..9781, 9602..9973, 9603..9833, 10172..10423, 11591..11746		

Seq. No.	34139	Seq. ID	OJ000251_05.0228.C16
Gene No.	70657	Strand	-
Start	13628	End	15481
Name	OJ000251_05.0228.C16.o4.np	Method	AAT/NAP
Start	13628	End	15481
GI	5852093	Score	66
Exons	13628..13680, 15375..15481		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	34140	Seq. ID	OJ000251_05.0228.C17
Gene No.	70658	Strand	-
Start	256	End	567
Name	OJ000251_05.0228.C17.o1.gs	Method	GENSCAN
Start	256	End	567
GI	none	Score	.47
Exons	256..567		

Seq. No.	34141	Seq. ID	OJ000251_05.0228.C20
Gene No.	70659	Strand	+
Start	1012	End	1235
Name	OJ000251_05.0228.C20.o1.gp	Method	AAT/GAP
Start	1012	End	1235
GI	2310876	Score	374
Exons	1012..1235		

Seq. No.	34141	Seq. ID	OJ000251_05.0228.C20
Gene No.	70660	Strand	-
Start	350	End	1285
Name	OJ000251_05.0228.C20.o1.gs	Method	GENSCAN
Start	350	End	1285
GI	none	Score	.68
Exons	350..645, 946..1157, 1203..1285		

Seq. No.	34141	Seq. ID	OJ000251_05.0228.C20
Gene No.	70660	Strand	-
Start	350	End	1285
Name	OJ000251_05.0228.C20.o1.tw	Method	TBLASTX:Wheat
Start	1119	End	1262
GI	none	Score	186
Exons	1119..1262, 1133..1261, 1140..1262		

Seq. No.	34142	Seq. ID	OJ000251_05.0228.C21
Gene No.	70661	Strand	+
Start	548	End	2329
Name	OJ000251_05.0228.C21.o1.gs	Method	GENSCAN
Start	548	End	2329
GI	none	Score	.99
Exons	548..556, 2189..2329		

Seq. No.	34142	Seq. ID	OJ000251_05.0228.C21
Gene No.	70662	Strand	+
Start	3581	End	3924
Name	OJ000251_05.0228.C21.o2.gs	Method	GENSCAN

Start 3581
GI none
Exons 3581..3679, 3895..3924

End 3924
Score .69

Seq. No. 34142 Seq. ID OJ000251_05.0228.C21
Gene No. 70663 Strand -
Start 5885 End 9503
Name OJ000251_05.0228.C21.o3.gs Method GENSCAN
Start 5885 End 8755
GI none Score .8
Exons 5885..5983, 5989..6205, 6504..6655, 7032..7170, 8067..8281, 8603..8755

Seq. No. 34142 Seq. ID OJ000251_05.0228.C21
Gene No. 70663 Strand -
Start 5885 End 9503
Name OJ000251_05.0228.C21.o1.np Method AAT/NAP
Start 6840 End 9334
GI 3367571 Score 173
Exons 6840..6953, 7032..7170, 7488..7540, 9314..9334
GI Descrip. (AL031135) putative protein [Arabidopsis thaliana]

Seq. No. 34142 Seq. ID OJ000251_05.0228.C21
Gene No. 70663 Strand -
Start 5885 End 9503
Name OJ000251_05.0228.C21.o1.tm Method TBLASTX:Maize
Start 6858 End 8261
GI none Score 80
Exons 6858..6965, 6858..6965, 7032..7178, 7032..7178, 7033..7179, 7488..7544, 7490..7543, 7711..7812, 7722..7823, 7723..7806, 8108..8251, 8123..8251, 8196..8261

Seq. No. 34142 Seq. ID OJ000251_05.0228.C21
Gene No. 70663 Strand -
Start 5885 End 9503
Name OJ000251_05.0228.C21.o2.np Method AAT/NAP
Start 9101 End 9503
GI 6069646 Score 324
Exons 9101..9503
GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No. 34143 Seq. ID OJ000251_05.0228.C22
Gene No. 70664 Strand -
Start 1081 End 1386
Name OJ000251_05.0228.C22.o1.np., Method AAT/NAP
Start 1081 End 1386
GI 4586057 Score 147
Exons 1081..1173, 1292..1386
GI Descrip. (AC007020) hypothetical protein [Arabidopsis thaliana]

Seq. No. 34144 Seq. ID OJ000251_05.0228.C23
Gene No. 70665 Strand -
Start 200 End 653

Name	OJ000251_05.0228.C23.o1.gs	Method	GENSCAN
Start	200	End	653
GI	none	Score	.56
Exons	200..653		
Seq. No.	34145	Seq. ID	OJ000251_05.0228.C24
Gene No.	70666	Strand	-
Start	572	End	700
Name	OJ000251_05.0228.C24.o1.gs	Method	GENSCAN
Start	572	End	700
GI	none	Score	.59
Exons	572..700		
Seq. No.	34146	Seq. ID	OJ000251_05.0228.C25
Gene No.	70667	Strand	+
Start	45	End	277
Name	OJ000251_05.0228.C25.o1.gs	Method	GENSCAN
Start	45	End	277
GI	none	Score	.43
Exons	45..277		
Seq. No.	34147	Seq. ID	OJ000251_05.0228.C27
Gene No.	70668	Strand	+
Start	482	End	722
Name	OJ000251_05.0228.C27.o1.gs	Method	GENSCAN
Start	482	End	722
GI	none	Score	.68
Exons	482..722		
Seq. No.	34148	Seq. ID	OJ000251_05.0228.C28
Gene No.	70669	Strand	+
Start	775	End	5817
Name	OJ000251_05.0228.C28.o1.gs	Method	GENSCAN
Start	775	End	5817
GI	none	Score	.72
Exons	775..917, 1601..1769, 2146..2192, 2755..2883, 3687..3771, 4201..4281, 5716..5817		
Seq. No.	34148	Seq. ID	OJ000251_05.0228.C28
Gene No.	70669	Strand	+
Start	775	End	5817
Name	OJ000251_05.0228.C28.o1.gp	Method	AAT/GAP
Start	4191	End	4945
GI	2796811	Score	307
Exons	4191..4281, 4817..4945		
Seq. No.	34148	Seq. ID	OJ000251_05.0228.C28
Gene No.	70670	Strand	-
Start	6933	End	11874
Name	OJ000251_05.0228.C28.o3.tm	Method	TBLASTX:Maize
Start	279	End	1769
GI	none	Score	65
Exons	279..353, 280..393, 281..367, 724..918, 746..919, 756..920, 760..918, 762..920, 1446..1541, 1448..1543, 1450..1542, 1681..1749, 1684..1764, 1685..1765, 1686..1769		
Seq. No.	34148	Seq. ID	OJ000251_05.0228.C28

Gene No.	70670	Strand	-
Start	6933	End	11874
Name	OJ000251_05.0228.C28.o4.tm	Method	TBLASTX:Maize
Start	2109	End	4288
GI	none	Score	82
Exons	2109..2195, 2116..2196, 2140..2193, 2145..2195, 2700..2879, 2749..2883, 2750..2884, 2755..2904, 3684..3776, 3688..3774, 4150..4284, 4198..4284, 4199..4288		

Seq. No.	34148	Seq. ID	OJ000251_05.0228.C28
Gene No.	70670	Strand	-
Start	6933	End	11874
Name	OJ000251_05.0228.C28.o2.gs	Method	GENSCAN
Start	6933	End	11830
GI	none	Score	.85
Exons	6933..7112, 7275..7442, 7679..7892, 7975..8037, 8112..8254, 8523..8705, 8782..8965, 9471..9542, 9612..9723, 9814..9889, 10115..10196, 10267..10374, 10586..10708, 11077..11275, 11541..11615, 11680..11830		

Seq. No.	34148	Seq. ID	OJ000251_05.0228.C28
Gene No.	70670	Strand	-
Start	6933	End	11874
Name	OJ000251_05.0228.C28.o2.gp	Method	AAT/GAP
Start	6970	End	7808
GI	LIB3431-006-P1-K1-H11	Score	726
Exons	6970..7001, 7109..7195, 7275..7442, 7679..7808		
GI Descrip.	'225174/prf 1210248A 2.0e-11 glutelin precursor [Oryza sativa]'		

Seq. No.	34148	Seq. ID	OJ000251_05.0228.C28
Gene No.	70670	Strand	-
Start	6933	End	11874
Name	OJ000251_05.0228.C28.o2.np	Method	AAT/NAP
Start	9809	End	11874
GI	3193333	Score	295
Exons	9809..9913, 9986..10061, 10110..10196, 10267..10348, 10394..10503, 10586..10742, 11099..11230, 11309..11463, 11616..11874		
GI Descrip.	(AF069299) contains similarity to breast cancer susceptibility (Brca2) [Arabidopsis thaliana]		

Seq. No.	34148	Seq. ID	OJ000251_05.0228.C28
Gene No.	70670	Strand	-
Start	6933	End	11874
Name	OJ000251_05.0228.C28.o2.tm	Method	TBLASTX:Maize
Start	9983	End	10382
GI	none	Score	81
Exons	9983..10039, 9984..10037, 9985..10038, 10111..10206, 10116..10196, 10204..10299, 10253..10372, 10256..10378, 10263..10382		

Seq. No.	34148	Seq. ID	OJ000251_05.0228.C28
Gene No.	70670	Strand	-
Start	6933	End	11874
Name	OJ000251_05.0228.C28.o1.tm	Method	TBLASTX:Maize
Start	11074	End	11745
GI	none	Score	80

Exons 11074..11151, 11074..11145, 11076..11147, 11151..11216,
11154..11213, 11161..11217, 11276..11401, 11283..11405,
11294..11404, 11613..11741, 11614..11745, 11615..11740

Seq. No.	34148	Seq. ID	OJ000251_05.0228.C28
Gene No.	70670	Strand	-
Start	6933	End	11874
Name	OJ000251_05.0228.C28.o1.tw	Method	TBLASTX:Wheat
Start	11546	End	11868
GI	none	Score	42
Exons	11546..11611, 11559..11627, 11561..11611, 11612..11848, 11613..11849, 11617..11868, 11617..11853		

Seq. No.	34149	Seq. ID	OJ000251_05.0228.C29
Gene No.	70671	Strand	+
Start	7898	End	13544
Name	OJ000251_05.0228.C29.o1.np	Method	AAT/NAP
Start	7898	End	13544
GI	6498441	Score	6803
Exons	7898..8961, 9292..9755, 9819..10192, 10376..10510, 10685..10925, 11118..11600, 11772..13169, 13263..13544		

GI Descrip. (AP000815). EST C72786(E2258) corresponds to a region of the
predicted gene. Similar to Sorghum bicolor Gypsy-Ty3 type
retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	34149	Seq. ID	OJ000251_05.0228.C29
Gene No.	70672	Strand	-
Start	203	End	5582
Name	OJ000251_05.0228.C29.o1.gs	Method	GENSCAN
Start	203	End	5582
GI	none	Score	.48
Exons	203..742, 1799..1927, 2563..2688, 2960..3085, 3193..3318, 3415..3549, 3713..3817, 3954..4019, 4446..4652, 4763..4819, 5003..5122, 5438..5582		

Seq. No.	34149	Seq. ID	OJ000251_05.0228.C29
Gene No.	70673	Strand	-
Start	14178	End	17401
Name	OJ000251_05.0228.C29.o4.tm	Method	TBLASTX:Maize
Start	417	End	3819
GI	none	Score	46
Exons	417..464, 418..456, 480..743, 484..717, 491..736, 504..743, 1547..1588, 1547..1588, 1582..1665, 1592..1666, 1607..1669, 2038..2163, 2048..2152, 2308..2418, 2309..2386, 2765..2899, 2791..2871, 3203..3283, 3207..3284, 3714..3791, 3715..3819		

Seq. No.	34149	Seq. ID	OJ000251_05.0228.C29
Gene No.	70673	Strand	-
Start	14178	End	17401
Name	OJ000251_05.0228.C29.o6.tw	Method	TBLASTX:Wheat
Start	8046	End	8438
GI	none	Score	55
Exons	8046..8093, 8100..8198, 8117..8197, 8165..8404, 8181..8438		

Seq. No.	34149	Seq. ID	OJ000251_05.0228.C29
Gene No.	70673	Strand	-
Start	14178	End	17401

Name	OJ000251_05.0228.C29.o5.tm	Method	TBLASTX:Maize
Start	8088	End	8336
GI	none	Score	193
Exons	8088..8336, 8090..8335		
Seq. No.	34149	Seq. ID	OJ000251_05.0228.C29
Gene No.	70673	Strand	-
Start	14178	End	17401
Name	OJ000251_05.0228.C29.o3.tw	Method	TBLASTX:Wheat
Start	9176	End	9662
GI	none	Score	415
Exons	9176..9349, 9177..9662, 9371..9658		
Seq. No.	34149	Seq. ID	OJ000251_05.0228.C29
Gene No.	70673	Strand	-
Start	14178	End	17401
Name	OJ000251_05.0228.C29.o1.tw	Method	TBLASTX:Wheat
Start	9827	End	10289
GI	none	Score	589
Exons	9827..10288, 9828..10289		
Seq. No.	34149	Seq. ID	OJ000251_05.0228.C29
Gene No.	70673	Strand	-
Start	14178	End	17401
Name	OJ000251_05.0228.C29.o3.ts	Method	TBLASTX:Soybean
Start	9867	End	10232
GI	none	Score	117
Exons	9867..10091, 10098..10232		
Seq. No.	34149	Seq. ID	OJ000251_05.0228.C29
Gene No.	70673	Strand	-
Start	14178	End	17401
Name	OJ000251_05.0228.C29.o1.tm	Method	TBLASTX:Maize
Start	9957	End	10313
GI	none	Score	393
Exons	9957..10313, 9992..10303, 10023..10313		
Seq. No.	34149	Seq. ID	OJ000251_05.0228.C29
Gene No.	70673	Strand	-
Start	14178	End	17401
Name	OJ000251_05.0228.C29.o3.tm	Method	TBLASTX:Maize
Start	10340	End	10724
GI	none	Score	353
Exons	10340..10705, 10341..10724		
Seq. No.	34149	Seq. ID	OJ000251_05.0228.C29
Gene No.	70673	Strand	-
Start	14178	End	17401
Name	OJ000251_05.0228.C29.o2.tw	Method	TBLASTX:Wheat
Start	10398	End	10822
GI	none	Score	481
Exons	10398..10817, 10403..10822		
Seq. No.	34149	Seq. ID	OJ000251_05.0228.C29
Gene No.	70673	Strand	-
Start	14178	End	17401
Name	OJ000251_05.0228.C29.o1.ts	Method	TBLASTX:Soybean

Start 10476
GI none
Exons 10476..10847, 10493..10636

End 10847
Score 274

Seq. No. 34149
Gene No. 70673
Start 14178
Name OJ000251_05.0228.C29.o5.tw
Start 11448
GI none
Exons 11448..11696, 11472..11696, 11766..11903, 11768..11905

Seq. ID OJ000251_05.0228.C29
Strand -
End 17401
Method TBLASTX:Wheat
End 11906
Score 234

Seq. No. 34149
Gene No. 70673
Start 14178
Name OJ000251_05.0228.C29.o2.ts
Start 11595
GI 5666795
Exons 11595..11693, 11769..11906, 11961..12161
GI Descrip. 4206306 2.0e-10 (AF049110) prpol [Zea mays]

Seq. ID OJ000251_05.0228.C29
Strand -
End 17401
Method TBLASTX:Soybean
End 12161
Score 68

Seq. No. 34149
Gene No. 70673
Start 14178
Name OJ000251_05.0228.C29.o8.tw
Start 11909
GI none
Exons 11909..12085, 11922..12110, 11961..12221

Seq. ID OJ000251_05.0228.C29
Strand -
End 17401
Method TBLASTX:Wheat
End 12221
Score 192

Seq. No. 34149
Gene No. 70673
Start 14178
Name OJ000251_05.0228.C29.o2.tm
Start 12414
GI none
Exons 12414..12737, 12443..12724

Seq. ID OJ000251_05.0228.C29
Strand -
End 17401
Method TBLASTX:Maize
End 12737
Score 361

Seq. No. 34149
Gene No. 70673
Start 14178
Name OJ000251_05.0228.C29.o4.tw
Start 12551
GI none
Exons 12551..12607, 12552..12932, 12653..12901

Seq. ID OJ000251_05.0228.C29
Strand -
End 17401
Method TBLASTX:Wheat
End 12932
Score 372

Seq. No. 34149
Gene No. 70673
Start 14178
Name OJ000251_05.0228.C29.o7.tw
Start 12933
GI none
Exons 12933..13217, 12938..13216, 13409..13531, 13410..13535

Seq. ID OJ000251_05.0228.C29
Strand -
End 17401
Method TBLASTX:Wheat
End 13535
Score 263

Seq. No. 34149
Gene No. 70673
Start 14178

Seq. ID OJ000251_05.0228.C29
Strand -
End 17401

Name	OJ000251_05.0228.C29.o6.tm	Method	TBLASTX:Maize
Start	13404	End	13586
GI	none	Score	192
Exons	13404..13586, 13409..13585		
Seq. No.	34149	Seq. ID	OJ000251_05.0228.C29
Gene No.	70673	Strand	-
Start	14178	End	17401
Name	OJ000251_05.0228.C29.o3.gs	Method	GENSCAN
Start	14178	End	17401
GI	none	Score	.84
Exons	14178..16047, 16140..17401		
Seq. No.	34149	Seq. ID	OJ000251_05.0228.C29
Gene No.	70673	Strand	-
Start	14178	End	17401
Name	OJ000251_05.0228.C29.o2.np	Method	AAT/NAP
Start	14181	End	17401
GI	5803259	Score	4208
Exons	14181..16047, 16140..17401		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	34150	Seq. ID	OJ000251_05.0228.C30
Gene No.	70674	Strand	+
Start	631	End	2635
Name	OJ000251_05.0228.C30.o1.np	Method	AAT/NAP
Start	631	End	2635
GI	3738230	Score	386
Exons	631..1088, 2614..2635		
GI Descrip.	(AB007790) DREB2A [Arabidopsis thaliana] gi 4126706 dbj BAA36705 (AB016570) DREB2A [Arabidopsis thaliana]		
Seq. No.	34150	Seq. ID	OJ000251_05.0228.C30
Gene No.	70674	Strand	+
Start	631	End	2635
Name	OJ000251_05.0228.C30.o1.gs	Method	GENSCAN
Start	653	End	1464
GI	none	Score	.66
Exons	653..892, 1037..1464		
Seq. No.	34150	Seq. ID	OJ000251_05.0228.C30
Gene No.	70675	Strand	-
Start	1494	End	1685
Name	OJ000251_05.0228.C30.o2.gp	Method	AAT/GAP
Start	1494	End	1685
GI	none	Score	356
Exons	1494..1685		
Seq. No.	34150	Seq. ID	OJ000251_05.0228.C30
Gene No.	70676	Strand	-
Start	1929	End	3899
Name	OJ000251_05.0228.C30.o1.tc	Method	TBLASTX:Cress
Start	684	End	1128
GI	none	Score	352
Exons	684..1031, 685..1128		

Seq. No.	34150	Seq. ID	OJ000251_05.0228.C30
Gene No.	70676	Strand	-
Start	1929	End	3899
Name	OJ000251_05.0228.C30.o2.gs	Method	GENSCAN
Start	1929	End	3806
GI	none	Score	.78
Exons	1929..2574, 3022..3806		

Seq. No.	34150	Seq. ID	OJ000251_05.0228.C30
Gene No.	70676	Strand	-
Start	1929	End	3899
Name	OJ000251_05.0228.C30.o2.tc	Method	TBLASTX:Cress
Start	1935	End	2247
GI	none	Score	154
Exons	1935..2240, 1944..2246, 1996..2247		

Seq. No.	34150	Seq. ID	OJ000251_05.0228.C30
Gene No.	70676	Strand	-
Start	1929	End	3899
Name	OJ000251_05.0228.C30.o2.np	Method	AAT/NAP
Start	1941	End	3587
GI	4586055	Score	1135
Exons	1941..2574, 3022..3587		

GI Descrip. (AC007020) hypothetical protein [Arabidopsis thaliana]

Seq. No.	34150	Seq. ID	OJ000251_05.0228.C30
Gene No.	70676	Strand	-
Start	1929	End	3899
Name	OJ000251_05.0228.C30.o2.ts	Method	TBLASTX:Soybean
Start	1941	End	3251
GI	none	Score	77
Exons	1941..2423, 2472..2516, 3021..3152, 3165..3251		

Seq. No.	34150	Seq. ID	OJ000251_05.0228.C30
Gene No.	70676	Strand	-
Start	1929	End	3899
Name	OJ000251_05.0228.C30.o1.tm	Method	TBLASTX:Maize
Start	2164	End	3091
GI	none	Score	595
Exons	2164..2577, 2164..2577, 2166..2582, 3000..3089, 3019..3090, 3020..3091, 3021..3089		

Seq. No.	34150	Seq. ID	OJ000251_05.0228.C30
Gene No.	70676	Strand	-
Start	1929	End	3899
Name	OJ000251_05.0228.C30.o3.tc	Method	TBLASTX:Cress
Start	2331	End	3206
GI	none	Score	165
Exons	2331..2582, 2356..2577, 3021..3206, 3027..3206		

Seq. No.	34150	Seq. ID	OJ000251_05.0228.C30
Gene No.	70676	Strand	-
Start	1929	End	3899
Name	OJ000251_05.0228.C30.o3.tm	Method	TBLASTX:Maize
Start	3203	End	3435
GI	none	Score	128
Exons	3203..3379, 3204..3422, 3204..3431, 3205..3435		

Seq. No.	34150	Seq. ID	OJ000251_05.0228.C30
Gene No.	70676	Strand	-
Start	1929	End	3899
Name	OJ000251_05.0228.C30.o3.ts	Method	TBLASTX:Soybean
Start	3438	End	3884
GI	none	Score	59
Exons	3438..3533, 3439..3531, 3546..3719, 3765..3884, 3776..3883		

Seq. No.	34150	Seq. ID	OJ000251_05.0228.C30
Gene No.	70676	Strand	-
Start	1929	End	3899
Name	OJ000251_05.0228.C30.o3.gp	Method	AAT/GAP
Start	3525	End	3899
GI	none	Score	738
Exons	3525..3899		

Seq. No.	34151	Seq. ID	OJ000251_05.0228.C31
Gene No.	70677	Strand	-
Start	802	End	1203
Name	OJ000251_05.0228.C31.o2.gp	Method	AAT/GAP
Start	802	End	1203
GI	426963	Score	734
Exons	802..1203		

Seq. No.	34151	Seq. ID	OJ000251_05.0228.C31
Gene No.	70678	Strand	-
Start	1426	End	5066
Name	OJ000251_05.0228.C31.o1.tm	Method	TBLASTX:Maize
Start	1375	End	3095
GI	none	Score	83
Exons	1375..1479, 1396..1563, 1767..1856, 1782..1859, 1940..2023, 1942..2025, 1945..2025, 1947..2036, 1951..2010, 2694..2870, 2695..2871, 2702..2893, 2703..2894, 2703..2903, 2736..2897, 2760..2861, 2972..3007, 2977..3015, 2994..3095, 2996..3094, 2996..3046		

Seq. No.	34151	Seq. ID	OJ000251_05.0228.C31
Gene No.	70678	Strand	-
Start	1426	End	5066
Name	OJ000251_05.0228.C31.o1.np	Method	AAT/NAP
Start	1426	End	3155
GI	4539520	Score	193
Exons	1426..1564, 1756..1875, 1948..2024, 2694..2898, 2982..3155		
GI Descrip.	(AL035424) dA22D12.1 (novel protein similar to Drosophila Kelch (Ring Canal protein, KEL) and a heterogenous set of other types of proteins) [Homo sapiens]		

Seq. No.	34151	Seq. ID	OJ000251_05.0228.C31
Gene No.	70678	Strand	-
Start	1426	End	5066
Name	OJ000251_05.0228.C31.o2.np	Method	AAT/NAP
Start	2006	End	4708
GI	6016694	Score	204
Exons	2006..2024, 4287..4445, 4544..4708		
GI Descrip.	(AC009991) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34151	Seq. ID	OJ000251_05.0228.C31
Gene No.	70678	Strand	-
Start	1426	End	5066
Name	OJ000251_05.0228.C31.o2.gs	Method	GENSCAN
Start	2655	End	5066
GI	none	Score	.65
Exons	2655..2893, 2971..3313, 3555..3611, 3729..4445, 4523..4725, 4889..5066		

Seq. No.	34151	Seq. ID	OJ000251_05.0228.C31
Gene No.	70678	Strand	-
Start	1426	End	5066
Name	OJ000251_05.0228.C31.o2.tm	Method	TBLASTX:Maize
Start	4576	End	4978
GI	none	Score	149
Exons	4576..4725, 4583..4732, 4583..4732, 4868..4978, 4887..4976		

Seq. No.	34152	Seq. ID	OJ000251_05.0228.C32
Gene No.	70679	Strand	+
Start	1	End	1120
Name	OJ000251_05.0228.C32.o1.np	Method	AAT/NAP
Start	1	End	1120
GI	5042454	Score	96

Exons 1..296, 590..689, 1000..1120
 GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No.	34152	Seq. ID	OJ000251_05.0228.C32
Gene No.	70680	Strand	-
Start	447	End	809
Name	OJ000251_05.0228.C32.o1.gs	Method	GENSCAN
Start	447	End	809
GI	none	Score	.78
Exons	447..573, 673..722, 746..809		

Seq. No.	34153	Seq. ID	OJ000251_05.0228.C37
Gene No.	70681	Strand	-
Start	179	End	299
Name	OJ000251_05.0228.C37.o1.gp	Method	AAT/GAP
Start	179	End	299
GI	22365_2.R1084	Score	164
Exons	179..299		
GI Descrip.	'2651302 7.0e-10 (AC002336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	34154	Seq. ID	OJ000251_05.0228.C38
Gene No.	70682	Strand	+
Start	28	End	237
Name	OJ000251_05.0228.C38.o1.gs	Method	GENSCAN
Start	28	End	237
GI	none	Score	.8
Exons	28..237		

Seq. No.	34155	Seq. ID	OJ000251_05.0228.C39
Gene No.	70683	Strand	+
Start	316	End	370
Name	OJ000251_05.0228.C39.o1.gs	Method	GENSCAN
Start	316	End	370

GI	none	Score	.56
Exons	316..370		
Seq. No.	34156	Seq. ID	OJ000251_05.0228.C40
Gene No.	70684	Strand	-
Start	136	End	255
Name	OJ000251_05.0228.C40.o1.gs	Method	GENSCAN
Start	136	End	255
GI	none	Score	.79
Exons	136..215, 228..255		

Seq. No.	34157	Seq. ID	OJ000251_05.0228.C41
Gene No.	70685	Strand	-
Start	1	End	587
Name	OJ000251_05.0228.C41.o1.np	Method	AAT/NAP
Start	1	End	587
GI	4206306	Score	447
Exons	1..587		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	34158	Seq. ID	OJ000251_05.0228.C42
Gene No.	70686	Strand	-
Start	1	End	342
Name	OJ000251_05.0228.C42.o1.np	Method	AAT/NAP
Start	1	End	266
GI	2651302	Score	103
Exons	1..266		
GI Descrip.	(AC002336) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34158	Seq. ID	OJ000251_05.0228.C42
Gene No.	70686	Strand	-
Start	1	End	342
Name	OJ000251_05.0228.C42.o1.gs	Method	GENSCAN
Start	90	End	266
GI	none	Score	.92
Exons	90..266		

Seq. No.	34159	Seq. ID	OJ000251_13.0302.C3
Gene No.	70688	Strand	+
Start	5	End	160
Name	OJ000251_13.0302.C3.o1.gs	Method	GENSCAN
Start	5	End	160
GI	none	Score	.74
Exons	5..160		

Seq. No.	34160	Seq. ID	OJ000251_13.0302.C4
Gene No.	70689	Strand	+
Start	1	End	1135
Name	OJ000251_13.0302.C4.o1.np	Method	AAT/NAP
Start	1	End	1135
GI	4510427	Score	49
Exons	1..22, 708..775, 852..947, 1059..1135		
GI Descrip.	(AC006929) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34160	Seq. ID	OJ000251_13.0302.C4
Gene No.	70689	Strand	+
Start	1	End	1135

Name OJ000251_13.0302.C4.o1.gs
Start 572
GI none
Exons 572..591, 835..943

Method GENSCAN
End 943
Score .82

Seq. No. 34161
Gene No. 70690
Start 137
Name OJ000251_13.0302.C5.o1.gs
Start 137
GI none
Exons 137..256

Seq. ID OJ000251_13.0302.C5
Strand +
End 256
Method GENSCAN
End 256
Score .57

Seq. No. 34162
Gene No. 70691
Start 1
Name OJ000251_13.0302.C8.o1.np
Start 1
GI 2443320
Exons 1..1381
GI Descrip. (D85597) polyprotein [Oryza australiensis]

Seq. ID OJ000251_13.0302.C8
Strand -
End 1381
Method AAT/NAP
End 1381
Score 1623

Seq. No. 34162
Gene No. 70691
Start 1
Name OJ000251_13.0302.C8.o1.tw
Start 22
GI none
Exons 22..252, 25..240, 185..463, 250..462, 254..466

Seq. ID OJ000251_13.0302.C8
Strand -
End 1381
Method TBLASTX:Wheat
End 466
Score 119

Seq. No. 34163
Gene No. 70692
Start 340
Name OJ000251_13.0302.C9.o1.gs
Start 340
GI none
Exons 340..439, 749..958, 1056..1173, 1550..1609, 2366..2570

Seq. ID OJ000251_13.0302.C9
Strand +
End 2570
Method GENSCAN
End 2570
Score .5

Seq. No. 34164
Gene No. 70693
Start 188
Name OJ000251_13.0302.C11.o1.gs
Start 188
GI none
Exons 188..646, 921..1003, 1036..1132, 1352..1579, 1619..2371, 2378..2603, 3473..3607, 3644..3714

Seq. ID OJ000251_13.0302.C11
Strand -
End 3714
Method GENSCAN
End 3714
Score .62

Seq. No. 34165
Gene No. 70694
Start 1
Name OJ000251_13.0302.C14.o1.gp
Start 1
GI none
Exons 1..71

Seq. ID OJ000251_13.0302.C14
Strand +
End 71
Method AAT/GAP
End 71
Score 138

Seq. No. 34165
Gene No. 70695

Seq. ID OJ000251_13.0302.C14
Strand +

Start	444	End	879
Name	OJ000251_13.0302.C14.o2.gp	Method	AAT/GAP
Start	444	End	879
GI	LIB3432-052-P1-K1-D9	Score	669
Exons	444..879		
GI Descrip.	'2326760/emb Y14434 MTTANAD2X 0.0e+00 Triticum aestivum mitochondrial nad2 gene exons 3, 4 and 5, and trnY gene'		

Seq. No.	34165	Seq. ID	OJ000251_13.0302.C14
Gene No.	70696	Strand	-
Start	687	End	905
Name	OJ000251_13.0302.C14.o1.gs	Method	GENSCAN
Start	687	End	905
GI	none	Score	.42
Exons	687..905		

Seq. No.	34166	Seq. ID	OJ000251_13.0302.C15
Gene No.	70697	Strand	+
Start	1	End	1809
Name	OJ000251_13.0302.C15.o1.np	Method	AAT/NAP
Start	1	End	1809
GI	4510427	Score	68
Exons	1, 87, 164, 255, 1756, 1809		

GI Descrip.: (AC006929) hypothetical protein [Arabidopsis thaliana]

Seq. No.	34166	Seq. ID	OJ000251_13.0302.C15
Gene No.	70698	Strand	-
Start	776	End	2182
Name	OJ000251_13.0302.C15.o1.gs	Method	GENSCAN
Start	776	End	2182
GI	none	Score	.57
Exons	776..950, 1024..1049, 1533..1639, 1813..1874, 2103..2182		

Seq. No.	34167	Seq. ID	OJ000251_13.0302.C16
Gene No.	70699	Strand	-
Start	153	End	291
Name	OJ000251_13.0302.C16.o1.gs	Method	GENSCAN
Start	153	End	291
GI	none	Score	.41
Exons	153..291		

Seq. No.	34168	Seq. ID	OJ000251_13.0302.C17
Gene No.	70700	Strand	+
Start	1319	End	3545
Name	OJ000251_13.0302.C17.o1.gs	Method	GENSCAN
Start	1319	End	3545
GI	none	Score	.43
Exons	1319..1503, 1724..1884, 2002..2150, 3468..3545		

Seq. No.	34168	Seq. ID	OJ000251_13.0302.C17
Gene No.	70701	Strand	-
Start	1141	End	2163
Name	OJ000251_13.0302.C17.o1.np	Method	AAT/NAP
Start	1141	End	2163
GI	5922630	Score	96
Exons	1141..1326, 1800..2163		
GI Descrip.	(AP000492) EST C98748(E3038) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa]
 gi|6016863|dbj|BAA85206.1| (AP000570) EST C98748(E3038)
 corresponds to a region of the predicted gene.; hypothetical
 protein [Oryza sativa]

Seq. No.	34168	Seq. ID	OJ000251_13.0302.C17
Gene No.	70702	Strand	-
Start	4963	End	7328
Name	OJ000251_13.0302.C17.o2.gs	Method	GENSCAN
Start	4963	End	7328
GI	none	Score	.76
Exons	4963..5042, 5974..6173, 7282..7328		

Seq. No.	34168	Seq. ID	OJ000251_13.0302.C17
Gene No.	70703	Strand	-
Start	14916	End	15362
Name	OJ000251_13.0302.C17.o4.gs	Method	GENSCAN
Start	14916	End	15362
GI	none	Score	.43
Exons	14916..15013, 15299..15362		

Seq. No.	34169	Seq. ID	OJ000251_13.0302.C18
Gene No.	70704	Strand	+
Start	2030	End	5325
Name	OJ000251_13.0302.C18.o2.gs	Method	GENSCAN
Start	2030	End	5325
GI	none	Score	.75
Exons	2030..2115, 2175..2231, 4047..4140, 5269..5325		

Seq. No.	34169	Seq. ID	OJ000251_13.0302.C18
Gene No.	70705	Strand	-
Start	45	End	1120
Name	OJ000251_13.0302.C18.o1.gs	Method	GENSCAN
Start	45	End	1120
GI	none	Score	.41
Exons	45..235, 325..398, 924..1120		

Seq. No.	34170	Seq. ID	OJ000251_13.0302.C20
Gene No.	70706	Strand	+
Start	45	End	220
Name	OJ000251_13.0302.C20.o1.gs	Method	GENSCAN
Start	45	End	220
GI	none	Score	.67
Exons	45..220		

Seq. No.	34170	Seq. ID	OJ000251_13.0302.C20
Gene No.	70707	Strand	-
Start	1703	End	1971
Name	OJ000251_13.0302.C20.o2.gs	Method	GENSCAN
Start	1703	End	1971
GI	none	Score	.96
Exons	1703..1809, 1920..1971		

Seq. No.	34171	Seq. ID	OJ000251_13.0302.C21
Gene No.	70708	Strand	+
Start	1	End	3527
Name	OJ000251_13.0302.C21.o1.np	Method	AAT/NAP

Start	1	End	2615
GI	2443320	Score	2055
Exons	1..1365, 2588..2615		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	34171	Seq. ID	OJ000251_13.0302.C21
Gene No.	70708	Strand	+
Start	1	End	3527
Name	OJ000251_13.0302.C21.o1.tw	Method	TBLASTX:Wheat
Start	1	End	793
GI	none	Score	331
Exons	1..255, 2..253, 252..347, 257..343, 259..408, 317..493, 333..494, 471..566, 479..571, 572..793, 580..792		

Seq. No.	34171	Seq. ID	OJ000251_13.0302.C21
Gene No.	70708	Strand	+
Start	1	End	3527
Name	OJ000251_13.0302.C21.o1.tm	Method	TBLASTX:Maize
Start	17	End	434
GI	none	Score	199
Exons	17..82, 20..235, 70..234, 155..238, 255..434, 257..367		

Seq. No.	34171	Seq. ID	OJ000251_13.0302.C21
Gene No.	70708	Strand	+
Start	1	End	3527
Name	OJ000251_13.0302.C21.o2.ts	Method	TBLASTX:Soybean
Start	19	End	316
GI	5509260	Score	186
Exons	19..123, 20..238, 157..237, 255..308, 260..316		
GI Descrip.	-		

Seq. No.	34171	Seq. ID	OJ000251_13.0302.C21
Gene No.	70708	Strand	+
Start	1	End	3527
Name	OJ000251_13.0302.C21.o1.gs	Method	GENSCAN
Start	614	End	3527
GI	none	Score	.83
Exons	614..1261, 1491..1566, 1983..2029, 2383..2554, 3433..3527		

Seq. No.	34171	Seq. ID	OJ000251_13.0302.C21
Gene No.	70708	Strand	+
Start	1	End	3527
Name	OJ000251_13.0302.C21.o2.tm	Method	TBLASTX:Maize
Start	755	End	1336
GI	none	Score	158
Exons	755..1129, 1148..1336		

Seq. No.	34171	Seq. ID	OJ000251_13.0302.C21
Gene No.	70708	Strand	+
Start	1	End	3527
Name	OJ000251_13.0302.C21.o1.ts	Method	TBLASTX:Soybean
Start	764	End	1258
GI	none	Score	204
Exons	764..1126, 1154..1258		

Seq. No.	34171	Seq. ID	OJ000251_13.0302.C21
Gene No.	70708	Strand	+

Start	1	End	3527
Name	OJ000251_13.0302.C21.o2.tw	Method	TBLASTX:Wheat
Start	866	End	1354
GI	none	Score	524
Exons	866..1354, 867..1022, 871..1353		

Seq. No.	34172	Seq. ID	OJ000251_13.0302.C24
Gene No.	70709	Strand	+
Start	29	End	673
Name	OJ000251_13.0302.C24.o1.gs	Method	GENSCAN
Start	29	End	673
GI	none	Score	.71
Exons	29..673		

Seq. No.	34172	Seq. ID	OJ000251_13.0302.C24
Gene No.	70710	Strand	-
Start	138	End	721
Name	OJ000251_13.0302.C24.o1.np	Method	AAT/NAP
Start	138	End	721
GI	5852180	Score	432
Exons	138..558, 610..721		
GI Descrip.	(AL117265).zhb00010.1.[Oryza sativa]		

Seq. No.	34173	Seq. ID	OJ000251_13.0302.C26
Gene No.	70711	Strand	-
Start	507	End	716
Name	OJ000251_13.0302.C26.o1.tm	Method	TBLASTX:Maize
Start	297	End	716
GI	none	Score	134
Exons	297..416, 408..557, 418..612, 423..695, 478..609, 663..716		

Seq. No.	34173	Seq. ID	OJ000251_13.0302.C26
Gene No.	70711	Strand	-
Start	507	End	716
Name	OJ000251_13.0302.C26.o1.tw	Method	TBLASTX:Wheat
Start	354	End	686
GI	none	Score	48
Exons	354..464, 355..444, 480..560, 499..684, 609..686		

Seq. No.	34173	Seq. ID	OJ000251_13.0302.C26
Gene No.	70711	Strand	-
Start	507	End	716
Name	OJ000251_13.0302.C26.o1.gs	Method	GENSCAN
Start	507	End	630
GI	none	Score	.49
Exons	507..630		

Seq. No.	34174	Seq. ID	OJ000251_13.0302.C27
Gene No.	70712	Strand	+
Start	2158	End	3515
Name	OJ000251_13.0302.C27.o1.gs	Method	GENSCAN
Start	2158	End	3515
GI	none	Score	.8
Exons	2158..2215, 2306..2371, 2562..2708, 2770..3515		

Seq. No.	34174	Seq. ID	OJ000251_13.0302.C27
Gene No.	70713	Strand	+

Start	9138	End	14808
Name	OJ000251_13.0302.C27.o2.gs	Method	GENSCAN
Start	9138	End	14808
GI	none	Score	.69
Exons	9138..9219, 9541..9675, 11801..12113, 12191..12292, 12380..12503, 12601..12808, 13360..13528, 13622..13840, 14072..14352, 14452..14659, 14700..14808		

Seq. No.	34174	Seq. ID	OJ000251_13.0302.C27
Gene No.	70713	Strand	+
Start	9138	End	14808
Name	OJ000251_13.0302.C27.o3.np	Method	AAT/NAP
Start	10828	End	13920
GI	1046373	Score	363
Exons	10828..10863, 12007..12288, 12380..12822, 13776..13920		
GI Descrip.	(U37336) SAG12 protein [Arabidopsis thaliana]		

Seq. No.	34174	Seq. ID	OJ000251_13.0302.C27
Gene No.	70714	Strand	-
Start	13466	End	15500
Name	OJ000251_13.0302.C27.o1.tm	Method	TBLASTX:Maize
Start	11999	End	12820
GI	none	Score	56
Exons	11999..12082, 12119..12169, 12222..12290, 12379..12429, 12433..12477, 12555..12764, 12571..12771, 12788..12820, 12793..12819		

Seq. No.	34174	Seq. ID	OJ000251_13.0302.C27
Gene No.	70714	Strand	-
Start	13466	End	15500
Name	OJ000251_13.0302.C27.o1.tw	Method	TBLASTX:Wheat
Start	12001	End	12771
GI	none	Score	72
Exons	12001..12090, 12118..12153, 12119..12154, 12203..12277, 12204..12272, 12382..12426, 12427..12495, 12436..12504, 12552..12731, 12571..12726, 12736..12771		

Seq. No.	34174	Seq. ID	OJ000251_13.0302.C27
Gene No.	70714	Strand	-
Start	13466	End	15500
Name	OJ000251_13.0302.C27.o1.tc	Method	TBLASTX:Cress
Start	12019	End	12820
GI	none	Score	68
Exons	12019..12135, 12119..12172, 12215..12289, 12216..12290, 12378..12428, 12379..12429, 12433..12477, 12555..12764, 12571..12771, 12784..12819, 12785..12820		

Seq. No.	34174	Seq. ID	OJ000251_13.0302.C27
Gene No.	70714	Strand	-
Start	13466	End	15500
Name	OJ000251_13.0302.C27.o1.ts	Method	TBLASTX:Soybean
Start	12019	End	12820
GI	none	Score	70
Exons	12019..12117, 12119..12163, 12222..12290, 12379..12429, 12427..12477, 12552..12773, 12571..12774, 12779..12820		

Seq. No.	34174	Seq. ID	OJ000251_13.0302.C27
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Gene No.	70714	Strand	-
Start	13466	End	15500
Name	OJ000251_13.0302.C27.o4.np	Method	AAT/NAP
Start	13466	End	15500
GI	6006372	Score	60
Exons	13466..13618, 13786..13959, 15435..15500		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	34175	Seq. ID	OJ000251_13.0302.C28
Gene No.	70715	Strand	+
Start	581	End	3128
Name	OJ000251_13.0302.C28.o1.gp	Method	AAT/GAP
Start	581	End	1953
GI	31166_1.R1084	Score	1343
Exons	581..666, 1320..1953		
GI Descrip.	'1518540 2.0e-97 (U53418) UDP-glucose dehydrogenase [Glycine max]'		

Seq. No.	34175	Seq. ID	OJ000251_13.0302.C28
Gene No.	70715	Strand	+
Start	581	End	3128
Name	OJ000251_13.0302.C28.o2.tw	Method	TBLASTX:Wheat
Start	1329	End	1731
GI	none	Score	-286
Exons	1329..1505, 1331..1516, 1350..1544, 1515..1703, 1516..1704, 1517..1705, 1633..1731		

Seq. No.	34175	Seq. ID	OJ000251_13.0302.C28
Gene No.	70715	Strand	+
Start	581	End	3128
Name	OJ000251_13.0302.C28.o1.tm	Method	TBLASTX:Maize
Start	1332	End	2888
GI	none	Score	1763
Exons	1332..2399, 1334..2398, 1827..2399, 1837..2400, 2105..2404, 2398..2778, 2399..2782, 2401..2784, 2808..2888		

Seq. No.	34175	Seq. ID	OJ000251_13.0302.C28
Gene No.	70715	Strand	+
Start	581	End	3128
Name	OJ000251_13.0302.C28.o1.tc	Method	TBLASTX:Cress
Start	1338	End	2786
GI	none	Score	1647
Exons	1338..2399, 1340..2410, 2117..2401, 2399..2446, 2401..2448, 2407..2448, 2447..2767, 2449..2772, 2450..2773, 2602..2784, 2709..2786		

Seq. No.	34175	Seq. ID	OJ000251_13.0302.C28
Gene No.	70715	Strand	+
Start	581	End	3128
Name	OJ000251_13.0302.C28.o1.ts	Method	TBLASTX:Soybean
Start	1338	End	2785
GI	none	Score	1676
Exons	1338..2399, 1340..2416, 2398..2784, 2399..2782, 2402..2785		

Seq. No.	34175	Seq. ID	OJ000251_13.0302.C28
Gene No.	70715	Strand	+
Start	581	End	3128

Name	OJ000251_13.0302.C28.o1.gs	Method	GENSCAN
Start	1341	End	2782
GI	none	Score	.75
Exons	1341..2402, 2411..2782		

Seq. No.	34175	Seq. ID	OJ000251_13.0302.C28
Gene No.	70715	Strand	+
Start	581	End	3128
Name	OJ000251_13.0302.C28.o1.np	Method	AAT/NAP
Start	1341	End	2779
GI	6136119	Score	2283
Exons	1341..2779		
GI Descrip.	UDP-GLUCOSE 6-DEHYDROGENASE (UDP-GLC DEHYDROGENASE) (UDP-GLCDH) (UDPGDH) gi 1518540 (U53418) UDP-glucose dehydrogenase [Glycine max]		

Seq. No.	34175	Seq. ID	OJ000251_13.0302.C28
Gene No.	70715	Strand	+
Start	581	End	3128
Name	OJ000251_13.0302.C28.o1.tw	Method	TBLASTX:Wheat
Start	2110	End	2506
GI	none	Score	503
Exons	2110..2205, 2111..2398, 2112..2399, 2398..2505, 2399..2506		

Seq. No.	34175	Seq. ID	OJ000251_13.0302.C28
Gene No.	70715	Strand	+
Start	581	End	3128
Name	OJ000251_13.0302.C28.o2.gp	Method	AAT/GAP
Start	2312	End	3128
GI	422_2.R1084	Score	1586
Exons	2312..3128		
GI Descrip.	'1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	34175	Seq. ID	OJ000251_13.0302.C28
Gene No.	70715	Strand	+
Start	581	End	3128
Name	OJ000251_13.0302.C28.o3.tw	Method	TBLASTX:Wheat
Start	2633	End	2794
GI	none	Score	241
Exons	2633..2794, 2635..2778		

Seq. No.	34176	Seq. ID	OJ000251_13.0302.C29
Gene No.	70716	Strand	+
Start	2015	End	2350
Name	OJ000251_13.0302.C29.o1.tw	Method	TBLASTX:Wheat
Start	2002	End	2350
GI	none	Score	290
Exons	2002..2190, 2003..2179, 2003..2218, 2004..2180, 2189..2350, 2191..2349, 2207..2350		

Seq. No.	34176	Seq. ID	OJ000251_13.0302.C29
Gene No.	70716	Strand	+
Start	2015	End	2350
Name	OJ000251_13.0302.C29.o1.tc	Method	TBLASTX:Cress
Start	2004	End	2350
GI	none	Score	92

Exons 2004..2204, 2010..2240, 2011..2349, 2012..2350

Seq. No.	34176	Seq. ID	OJ000251_13.0302.C29
Gene No.	70716	Strand	+
Start	2015	End	2350
Name	OJ000251_13.0302.C29.o1.ts	Method	TBLASTX:Soybean
Start	2004	End	2350
GI	none	Score	84
Exons	2004..2102, 2011..2349, 2012..2350		

Seq. No.	34176	Seq. ID	OJ000251_13.0302.C29
Gene No.	70716	Strand	+
Start	2015	End	2350
Name	OJ000251_13.0302.C29.o1.tm	Method	TBLASTX:Maize
Start	2012	End	2350
GI	none	Score	565
Exons	2012..2350, 2014..2349		

Seq. No.	34176	Seq. ID	OJ000251_13.0302.C29
Gene No.	70716	Strand	+
Start	2015	End	2350
Name	OJ000251_13.0302.C29.o1.gs	Method	GENSCAN
Start	2015	End	2336
GI	none	Score	.62
Exons	2015..2336		

Seq. No.	34176	Seq. ID	OJ000251_13.0302.C29
Gene No.	70716	Strand	+
Start	2015	End	2350
Name	OJ000251_13.0302.C29.o1.np	Method	AAT/NAP
Start	2015	End	2350
GI	6136119	Score	535
Exons	2015..2350		
GI Descrip.	UDP-GLUCOSE 6-DEHYDROGENASE (UDP-GLC DEHYDROGENASE) (UDP-GLCDH) (UDPGDH) gi 1518540 (U53418) UDP-glucose dehydrogenase [Glycine max]		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70717	Strand	+
Start	1	End	816
Name	OJ000251_13.0302.C30.o1.np	Method	AAT/NAP
Start	1	End	813
GI	6136119	Score	1317
Exons	1..813		
GI Descrip.	UDP-GLUCOSE 6-DEHYDROGENASE (UDP-GLC DEHYDROGENASE) (UDP-GLCDH) (UDPGDH) gi 1518540 (U53418) UDP-glucose dehydrogenase [Glycine max]		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70717	Strand	+
Start	1	End	816
Name	OJ000251_13.0302.C30.o1.gs	Method	GENSCAN
Start	49	End	816
GI	none	Score	1
Exons	49..816		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
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Gene No.	70718	Strand	+
Start	8837	End	11117
Name	OJ000251_13.0302.C30.o4.np	Method	AAT/NAP
Start	8837	End	11117
GI	6634722	Score	86
Exons	8837..8978, 10863..11117		
GI Descrip.	(AC012463) T2E6.5 [Arabidopsis thaliana]		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70719	Strand	+
Start	11327	End	12116
Name	OJ000251_13.0302.C30.o3.gs	Method	GENSCAN
Start	11327	End	12116
GI	none	Score	.93
Exons	11327..11427, 11885..12116		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70720	Strand	-
Start	1884	End	12113
Name	OJ000251_13.0302.C30.o2.gs	Method	GENSCAN
Start	1884	End	10811
GI	none	Score	.9
Exons	1884..2062, 2411..2504, 3000..3218, 4285..4569, 4887..5003,		

5120..5242, 5931..5997, 6624..6811, 7636..7752, 8222..8314,
8879..8961, 9094..9121, 9600..9662, 9876..9940, 10113..10252,
10271..10417, 10675..10811

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70720	Strand	-
Start	1884	End	12113
Name	OJ000251_13.0302.C30.o2.gp	Method	AAT/GAP
Start	1979	End	2517
GI	none	Score	674
Exons	1979..2266, 2411..2517		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70720	Strand	-
Start	1884	End	12113
Name	OJ000251_13.0302.C30.o2.np	Method	AAT/NAP
Start	2205	End	8961
GI	6899922	Score	.1827
Exons	2205..2266, 2411..2504, 3000..3218, 4285..4569, 4851..5003, 5120..5242, 5931..5997, 6624..6811, 7636..7752, 8222..8307, 8875..8961		

GI Descrip. (AL138651) multifunctional aminoacyl-tRNA ligase-like protein
[Arabidopsis thaliana]

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70720	Strand	-
Start	1884	End	12113
Name	OJ000251_13.0302.C30.o3.gp	Method	AAT/GAP
Start	3022	End	9312
GI	6351.R1084	Score	2551
Exons	3022..3218, 4284..4569, 4851..5003, 5120..5242, 5931..5997, 6624..6811, 7636..7752, 8222..8314, 8879..8961, 9067..9121, 9235..9312		
GI Descrip.	'459009 1.0e-133 (U00037) similar to multifunctional		

aminoacyl-tRNA synthetase, especially to the prolyl-tRNA synthetase region [Caenorhabditis elegans]'

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70720	Strand	-
Start	1884	End	12113
Name	OJ000251_13.0302.C30.o3.np	Method	AAT/NAP
Start	8487	End	12113
GI	6721512	Score	184
Exons	8487..8506, 9876..9915, 10032..10068, 10109..10243, 10271..10385, 12094..12113		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70721	Strand	-
Start	12900	End	16086
Name	OJ000251_13.0302.C30.o1.tc	Method	TBLASTX:Cress
Start	1	End	846
GI	none	Score	756
Exons	1..480, 1..471, 3..482, 481..801, 484..846, 495..806		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70721	Strand	-
Start	12900	End	16086
Name	OJ000251_13.0302.C30.o1.ts	Method	TBLASTX:Soybean
Start	1	End	816
GI	none	Score	1318
Exons	1..816, 3..815		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70721	Strand	-
Start	12900	End	16086
Name	OJ000251_13.0302.C30.o1.tm	Method	TBLASTX:Maize
Start	1	End	819
GI	none	Score	1389
Exons	1..819, 2..253, 3..818		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70721	Strand	-
Start	12900	End	16086
Name	OJ000251_13.0302.C30.o1.tw	Method	TBLASTX:Wheat
Start	144	End	540
GI	none	Score	324
Exons	144..539, 144..539, 145..540		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70721	Strand	-
Start	12900	End	16086
Name	OJ000251_13.0302.C30.o3.tw	Method	TBLASTX:Wheat
Start	667	End	821
GI	none	Score	240
Exons	667..819, 669..821		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70721	Strand	-
Start	12900	End	16086
Name	OJ000251_13.0302.C30.o3.tm	Method	TBLASTX:Maize

Start	2164	End	8929
GI	none	Score	115
Exons	2164..2268, 2202..2267, 2386..2478, 2400..2507, 2400..2507, 2989..3069, 2992..3216, 3000..3221, 4254..4430, 4279..4569, 4282..4569, 4283..4570, 4337..4570, 4458..4571, 4848..5036, 4852..5004, 5097..5243, 5105..5245, 5119..5250, 5120..5257, 5917..6006, 5919..6029, 5922..6014, 6610..6813, 6623..6823, 6624..6812, 7634..7750, 7635..7751, 7635..7754, 8206..8325, 8213..8305, 8232..8315, 8876..8929, 8877..8924		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70721	Strand	-
Start	12900	End	16086
Name	OJ000251_13.0302.C30.o2.ts	Method	TBLASTX:Soybean
Start	2199	End	7681
GI	none	Score	77
Exons	2199..2267, 2206..2268, 2400..2507, 2407..2484, 2412..2507, 2990..3220, 2992..3216, 3000..3221, 4279..4569, 4283..4576, 4848..5036, 4855..5004, 4869..5006, 5068..5250, 5097..5243, 5105..5251, 5120..5251, 5925..6029, 5953..6000, 6610..6735, 6623..6823, 6624..6812, 7633..7680, 7634..7681		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70721	Strand	-
Start	12900	End	16086
Name	OJ000251_13.0302.C30.o3.tc	Method	TBLASTX:Cress
Start	2202	End	3221
GI	none	Score	73
Exons	2202..2267, 2206..2268, 2386..2484, 2400..2507, 2974..3210, 2997..3221, 2999..3151, 3000..3221		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70721	Strand	-
Start	12900	End	16086
Name	OJ000251_13.0302.C30.o2.tc	Method	TBLASTX:Cress
Start	4297	End	5993
GI	none	Score	221
Exons	4297..4326, 4327..4569, 4328..4570, 4460..4570, 4848..5036, 4858..5004, 5097..5243, 5105..5245, 5120..5251, 5919..5993		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70721	Strand	-
Start	12900	End	16086
Name	OJ000251_13.0302.C30.o2.tw	Method	TBLASTX:Wheat
Start	4899	End	6658
GI	none	Score	170
Exons	4899..5036, 4900..5004, 4902..5006, 5076..5243, 5097..5243, 5105..5245, 5120..5257, 5917..6006, 5919..6029, 5931..6014, 6623..6658, 6623..6658		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70721	Strand	-
Start	12900	End	16086
Name	OJ000251_13.0302.C30.o4.gs	Method	GENSCAN
Start	12900	End	15615
GI	none	Score	.64
Exons	12900..12995, 14045..14172, 14267..14362, 14797..14899,		

14980..15081, 15538..15615

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70721	Strand	-
Start	12900	End	16086
Name	OJ000251_13.0302.C30.o4.gp	Method	AAT/GAP
Start	13016	End	14321
GI	44255.1.R1084 -	Score	780
Exons	13016..13142, 13737..13858, 14045..14172, 14267..14321		
GI Descrip.	'2894288/emb CAA17029 5.0e-16 (AL021837) putative proteome subunit [Schizosaccharomyces pombe]'		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70721	Strand	-
Start	12900	End	16086
Name	OJ000251_13.0302.C30.o2.tm	Method	TBLASTX:Maize
Start	13741	End	16014
GI	none	Score	141
Exons	13741..13821, 13745..13858, 13746..13862, 14037..14183, 14043..14174, 14045..14182, 14265..14363, 14266..14364, 14288..14395, 14431..14517, 14433..14516, 14434..14517, 14436..14525, 14789..14902, 14795..14905, 14796..14909, 14796..14915, 14797..14946, 14980..15123, 14984..15082, 15531..15629, 15532..15630, 15535..15636, 15539..15637, 15728..15835, 15732..15839, 15897..16007, 15900..16013, 15901..16014		

Seq. No.	34177	Seq. ID	OJ000251_13.0302.C30
Gene No.	70721	Strand	-
Start	12900	End	16086
Name	OJ000251_13.0302.C30.o5.np	Method	AAT/NAP
Start	13763	End	16086
GI	2894288	Score	393
Exons	13763..13858, 14045..14172, 14267..14362, 14432..14515, 14773..14902, 14980..15081, 15538..15630, 15713..15831, 15900..16086		
GI Descrip.	(AL021837) 26s protease subunit [Schizosaccharomyces pombe]		

Seq. No.	34178	Seq. ID	OJ000251_13.0302.C31
Gene No.	70722	Strand	-
Start	988	End	3177
Name	OJ000251_13.0302.C31.o1.gs	Method	GENSCAN
Start	988	End	3177
GI	none	Score	.87
Exons	988..1245, 1994..2425, 2728..2866, 3107..3177		

Seq. No.	34178	Seq. ID	OJ000251_13.0302.C31
Gene No.	70722	Strand	-
Start	988	End	3177
Name	OJ000251_13.0302.C31.o1.tm	Method	TBLASTX:Maize
Start	1034	End	2875
GI	none	Score	47
Exons	1034..1099, 1060..1128, 1064..1129, 1070..1129, 1077..1148, 1129..1242, 1130..1240, 1130..1246, 1993..2190, 2003..2191, 2233..2409, 2236..2373, 2237..2458, 2237..2428, 2682..2870, 2731..2871, 2731..2871, 2732..2875		

Seq. No.	34179	Seq. ID	OJ000251_13.0302.C32
Gene No.	70723	Strand	-
Start	1122	End	1927
Name	OJ000251_13.0302.C32.o1.gs	Method	GENSCAN
Start	1122	End	1927
GI	none	Score	.41
Exons	1122..1128, 1617..1927		

Seq. No.	34180	Seq. ID	OJ000251_13.0302.C34
Gene No.	70724	Strand	+
Start	445	End	656
Name	OJ000251_13.0302.C34.o1.gs	Method	GENSCAN
Start	445	End	656
GI	none	Score	.95
Exons	445..656		

Seq. No.	34181	Seq. ID	OJ000251_13.0302.C36
Gene No.	70725	Strand	+
Start	199	End	391
Name	OJ000251_13.0302.C36.o1.gs	Method	GENSCAN
Start	199	End	391
GI	none	Score	8.6
Exons	199..289, 367..391		

Seq. No.	34182	Seq. ID	OJ000251_13.0302.C37
Gene No.	70726	Strand	+
Start	1454	End	7999
Name	OJ000251_13.0302.C37.o1.np	Method	AAT/NAP
Start	1454	End	5410
GI	4680203	Score	66
Exons	1454..1707, 5318..5410		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	34182	Seq. ID	OJ000251_13.0302.C37
Gene No.	70726	Strand	+
Start	1454	End	7999
Name	OJ000251_13.0302.C37.o3.gs	Method	GENSCAN
Start	3076	End	4852
GI	none	Score	.73
Exons	3076..3148, 3226..3250, 3998..4035, 4128..4361, 4398..4609, 4673..4852		

Seq. No.	34182	Seq. ID	OJ000251_13.0302.C37
Gene No.	70726	Strand	+
Start	1454	End	7999
Name	OJ000251_13.0302.C37.o2.np	Method	AAT/NAP
Start	4093	End	6047
GI	4680186	Score	169
Exons	4093..4229, 5864..6047		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	34182	Seq. ID	OJ000251_13.0302.C37
Gene No.	70726	Strand	+
Start	1454	End	7999
Name	OJ000251_13.0302.C37.o3.np	Method	AAT/NAP
Start	5179	End	7999
GI	5852180	Score	53

Exons 5179..5212, 7117..7170, 7981..7999
GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No.	34182	Seq. ID	OJ000251_13.0302.C37
Gene No.	70726	Strand	+
Start	1454	End	7999
Name	OJ000251_13.0302.C37.o4.np	Method	AAT/NAP
Start	5523	End	7471
GI	4680186	Score	235
Exons	5523..5607, 7031..7115, 7242..7471		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	34182	Seq. ID	OJ000251_13.0302.C37
Gene No.	70727	Strand	-
Start	5098	End	7400
Name	OJ000251_13.0302.C37.o4.gs	Method	GENSCAN
Start	5098	End	7276
GI	none	Score	.52
Exons	5098..5126, 5763..5905, 5929..6035, 7232..7276		

Seq. No.	34182	Seq. ID	OJ000251_13.0302.C37
Gene No.	70727	Strand	-
Start	5098	End	7400
Name	OJ000251_13.0302.C37.o2.gp	Method	AAT/GAP
Start	7019	End	7400
GI	uC-osflcyp033a04b1	Score	651
Exons	7019..7400		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70728	Strand	+
Start	1342	End	2180
Name	OJ000251_13.0302.C38.o1.gs	Method	GENSCAN
Start	1342	End	2180
GI	none	Score	.59
Exons	1342..1362, 1854..2180		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70729	Strand	+
Start	3743	End	11955
Name	OJ000251_13.0302.C38.o1.np	Method	AAT/NAP
Start	3743	End	10451
GI	5852180	Score	500
Exons	3743..3800, 4783..4901, 4953..5362, 10403..10451		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70729	Strand	+
Start	3743	End	11955
Name	OJ000251_13.0302.C38.o3.gs	Method	GENSCAN
Start	8213	End	11955
GI	none	Score	.88
Exons	8213..9022, 10506..10762, 11080..11238, 11904..11955		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70729	Strand	+

Start	3743	End	11955
Name	OJ000251_13.0302.C38.o3.np	Method	AAT/NAP
Start	8232	End	10784
GI	1353193	Score	1075
Exons	8232..9022, 10488..10784		
GI Descrip.	O-METHYLTRANSFERASE ZRP4 (OMT) gi 542186 pir JQ2268 O-methyltransferase (EC 2.1.1.-) - maize gi 404070 (L14063) O-methyltransferase [Zea mays]		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70730	Strand	-
Start	3170	End	6688
Name	OJ000251_13.0302.C38.o2.gs	Method	GENSCAN
Start	3170	End	6398
GI	none	Score	.55
Exons	3170..3207, 3697..3742, 3862..3983, 4254..4300, 4805..4911, 5106..5345, 6149..6152, 6158..6311, 6335..6398		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70730	Strand	-
Start	3170	End	6688
Name	OJ000251_13.0302.C38.o1.gp	Method	AAT/GAP
Start	3649	End	4030
GI	uC-osflcyp033a04b1	Score	675
Exons	3649..4030		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70730	Strand	-
Start	3170	End	6688
Name	OJ000251_13.0302.C38.o2.np	Method	AAT/NAP
Start	4814	End	6688
GI	544262	Score	157
Exons	4814..5331, 5520..5793, 6605..6688		
GI Descrip.	PISTIL-SPECIFIC EXTENSIN-LIKE PROTEIN PRECURSOR (PELP) gi 322761 pir JQ1696 pistil extensin-like protein precursor (clone pMG15) - common tobacco gi 19929 emb CAA78397 (Z14019) pistil extensin like protein [Nicotiana tabacum]		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70731	Strand	-
Start	11632	End	14048
Name	OJ000251_13.0302.C38.o3.tw	Method	TBLASTX:Wheat
Start	5000	End	8482
GI	none	Score	208
Exons	5000..5080, 8263..8481, 8264..8482		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70731	Strand	-
Start	11632	End	14048
Name	OJ000251_13.0302.C38.o1.tm	Method	TBLASTX:Maize
Start	8261	End	10787
GI	none	Score	201
Exons	8261..8503, 8264..8479, 8537..8584, 8564..9022, 8692..9021, 10461..10787, 10487..10783		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70731	Strand	-
Start	11632	End	14048
Name	OJ000251_13.0302.C38.o2.ts	Method	TBLASTX:Soybean
Start	8384	End	9022
GI	none	Score	73
Exons	8384..8485, 8684..9022, 8815..8949, 8974..9015		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70731	Strand	-
Start	11632	End	14048
Name	OJ000251_13.0302.C38.o1.tw	Method	TBLASTX:Wheat
Start	8641	End	8956
GI	none	Score	322
Exons	8641..8955, 8642..8956		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70731	Strand	-
Start	11632	End	14048
Name	OJ000251_13.0302.C38.o2.tw	Method	TBLASTX:Wheat
Start	8960	End	10796
GI	none	Score	70
Exons	8960..9025, 10455..10607, 10496..10660, 10661..10783, 10674..10796		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70731	Strand	-
Start	11632	End	14048
Name	OJ000251_13.0302.C38.o3.ts	Method	TBLASTX:Soybean
Start	10461	End	10789
GI	none	Score	256
Exons	10461..10787, 10487..10597, 10667..10789		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70731	Strand	-
Start	11632	End	14048
Name	OJ000251_13.0302.C38.o4.ts	Method	TBLASTX:Soybean
Start	11594	End	11871
GI	none	Score	48
Exons	11594..11665, 11632..11871, 11741..11824		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70731	Strand	-
Start	11632	End	14048
Name	OJ000251_13.0302.C38.o2.tm	Method	TBLASTX:Maize
Start	11608	End	11853
GI	none	Score	59
Exons	11608..11706, 11614..11724, 11722..11790, 11738..11803, 11776..11853		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70731	Strand	-
Start	11632	End	14048
Name	OJ000251_13.0302.C38.o4.np	Method	AAT/NAP
Start	11632	End	14048
GI	4206306	Score	798
Exons	11632..12943, 13097..14048		

GI Descrip. (AF049110) prpol [Zea mays]

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70731	Strand	-
Start	11632	End	14048
Name	OJ000251_13.0302.C38.o5.tw	Method	TBLASTX:Wheat
Start	11647	End	12059
GI	none	Score	65
Exons	11647..11937, 11958..12059		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70731	Strand	-
Start	11632	End	14048
Name	OJ000251_13.0302.C38.o5.ts	Method	TBLASTX:Soybean
Start	12210	End	12605
GI	none	Score	78
Exons	12210..12605, 12310..12504, 12387..12578		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70731	Strand	-
Start	11632	End	14048
Name	OJ000251_13.0302.C38.o3.tm	Method	TBLASTX:Maize
Start	12441	End	12755
GI	none	Score	184
Exons	12441..12755		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70731	Strand	-
Start	11632	End	14048
Name	OJ000251_13.0302.C38.o4.gs	Method	GENSCAN
Start	12746	End	13339
GI	none	Score	.64
Exons	12746..13339		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70731	Strand	-
Start	11632	End	14048
Name	OJ000251_13.0302.C38.o4.tw	Method	TBLASTX:Wheat
Start	13211	End	13645
GI	none	Score	60
Exons	13211..13501, 13428..13502, 13556..13645		

Seq. No.	34183	Seq. ID	OJ000251_13.0302.C38
Gene No.	70731	Strand	-
Start	11632	End	14048
Name	OJ000251_13.0302.C38.o1.ts	Method	TBLASTX:Soybean
Start	13274	End	13691
GI	none	Score	69
Exons	13274..13516, 13284..13391, 13431..13505, 13553..13690, 13575..13691		

Seq. No.	34184	Seq. ID	OJ000251_13.0302.C39
Gene No.	70732	Strand	-
Start	1	End	3804
Name	OJ000251_13.0302.C39.o1.gp	Method	AAT/GAP
Start	1	End	661
GI	5455576	Score	1123

Exons 1..661
 GI Descrip. 4544372/gb|AAD22283.1|AC006920_7 6.0e-26 (AC006920) putative reverse transcriptase [Arabidopsis thaliana]

Seq. No.	34184	Seq. ID	OJ000251_13.0302.C39
Gene No.	70732	Strand	-
Start	1	End	3804
Name	OJ000251_13.0302.C39.o1.np	Method	AAT/NAP
Start	1	End	1404
GI	4544372	Score	744
Exons	1..315, 376..1404		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	34184	Seq. ID	OJ000251_13.0302.C39
Gene No.	70732	Strand	-
Start	1	End	3804
Name	OJ000251_13.0302.C39.o1.gs	Method	GENSCAN
Start	188	End	3702
GI	none	Score	.61
Exons	188..452, 495..1307, 1392..1526, 1846..2074, 2380..2987, 3393..3702		

Seq. No.	34184	Seq. ID	OJ000251_13.0302.C39
Gene No.	70732	Strand	-
Start	1	End	3804
Name	OJ000251_13.0302.C39.o1.ts	Method	TBLASTX:Soybean
Start	233	End	702
GI	none	Score	67
Exons	233..379, 235..420, 410..667, 421..702		

Seq. No.	34184	Seq. ID	OJ000251_13.0302.C39
Gene No.	70732	Strand	-
Start	1	End	3804
Name	OJ000251_13.0302.C39.o2.tw	Method	TBLASTX:Wheat
Start	319	End	699
GI	none	Score	58
Exons	319..420, 323..418, 397..699, 556..645		

Seq. No.	34184	Seq. ID	OJ000251_13.0302.C39
Gene No.	70732	Strand	-
Start	1	End	3804
Name	OJ000251_13.0302.C39.o1.tm	Method	TBLASTX:Maize
Start	387	End	849
GI	none	Score	46
Exons	387..491, 388..849, 389..724, 597..848, 769..849		

Seq. No.	34184	Seq. ID	OJ000251_13.0302.C39
Gene No.	70732	Strand	-
Start	1	End	3804
Name	OJ000251_13.0302.C39.o1.tw	Method	TBLASTX:Wheat
Start	717	End	1116
GI	none	Score	213
Exons	717..1046, 718..1116, 791..1108		

Seq. No.	34184	Seq. ID	OJ000251_13.0302.C39
Gene No.	70732	Strand	-

Start	1	End	3804
Name	OJ000251_13.0302.C39.o2.tm	Method	TBLASTX:Maize
Start	850	End	1065
GI	none	Score	202
Exons	850..1065, 851..1063		
Seq. No.	34184	Seq. ID	OJ000251_13.0302.C39
Gene No.	70732	Strand	-
Start	1	End	3804
Name	OJ000251_13.0302.C39.o2.ts	Method	TBLASTX:Soybean
Start	922	End	1287
GI	none	Score	131
Exons	922..1053, 1069..1287		
Seq. No.	34184	Seq. ID	OJ000251_13.0302.C39
Gene No.	70732	Strand	-
Start	1	End	3804
Name	OJ000251_13.0302.C39.o3.ts	Method	TBLASTX:Soybean
Start	1769	End	2062
GI	none	Score	182
Exons	1769..2062		
Seq. No.	34184	Seq. ID	OJ000251_13.0302.C39
Gene No.	70732	Strand	-
Start	1	End	3804
Name	OJ000251_13.0302.C39.o2.gp	Method	AAT/GAP
Start	2058	End	2245
GI	2310739	Score	290
Exons	2058..2245		
GI Descrip.	2326760/emb Y14434 MTTANAD2X 0.0e+00 Triticum aestivum mitochondrial nad2 gene exons 3, 4 and 5, and trnY gene		
Seq. No.	34184	Seq. ID	OJ000251_13.0302.C39
Gene No.	70732	Strand	-
Start	1	End	3804
Name	OJ000251_13.0302.C39.o3.tm	Method	TBLASTX:Maize
Start	3529	End	3804
GI	none	Score	54
Exons	3529..3654, 3533..3649, 3679..3804, 3680..3787		
Seq. No.	34185	Seq. ID	OJ000251_13.0302.C40
Gene No.	70733	Strand	-
Start	62	End	327
Name	OJ000251_13.0302.C40.o1.gs	Method	GENSCAN
Start	62	End	327
GI	none	Score	.65
Exons	62..327		
Seq. No.	34186	Seq. ID	OJ000251_13.0302.C45
Gene No.	70734	Strand	-
Start	1	End	532
Name	OJ000251_13.0302.C45.o1.np	Method	AAT/NAP
Start	1	End	340
GI	1172873	Score	115
Exons	1..340		
GI Descrip.	CYSTEINE PROTEINASE RD21A PRECURSOR gi 541857 pir JN0719 drought-inducible cysteine proteinase (EC 3.4.22.-) RD21A		

precursor - Arabidopsis thaliana gi|435619|dbj|BAA02374|
(D13043) thiol protease [Arabidopsis thaliana]

Seq. No.	34186	Seq. ID	OJ000251_13.0302.C45
Gene No.	70734	Strand	-
Start	1	End	532
Name	OJ000251_13.0302.C45.o1.gs	Method	GENSCAN
Start	45	End	532
GI	none	Score	.92
Exons	45..142, 220..532		

Seq. No.	34187	Seq. ID	OJ000251_13.0302.C47
Gene No.	70735	Strand	+
Start	1	End	635
Name	OJ000251_13.0302.C47.o1.np	Method	AAT/NAP
Start	1	End	635
GI	2443320	Score	1020
Exons	1..635		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	34187	Seq. ID	OJ000251_13.0302.C47
Gene No.	70735	Strand	+
Start	1	End	635
Name	OJ000251_13.0302.C47.o2.tw	Method	TBLASTX:Wheat
Start	1	End	167
GI	none	Score	66
Exons	1..117, 2..148, 3..167		

Seq. No.	34187	Seq. ID	OJ000251_13.0302.C47
Gene No.	70735	Strand	+
Start	1	End	635
Name	OJ000251_13.0302.C47.o1.ts	Method	TBLASTX:Soybean
Start	9	End	299
GI	none	Score	107
Exons	9..143, 168..299		

Seq. No.	34187	Seq. ID	OJ000251_13.0302.C47
Gene No.	70735	Strand	+
Start	1	End	635
Name	OJ000251_13.0302.C47.o1.tw	Method	TBLASTX:Wheat
Start	168	End	629
GI	none	Score	534
Exons	168..629, 184..624, 197..628		

Seq. No.	34187	Seq. ID	OJ000251_13.0302.C47
Gene No.	70735	Strand	+
Start	1	End	635
Name	OJ000251_13.0302.C47.o1.tm	Method	TBLASTX:Maize
Start	174	End	614
GI	none	Score	241
Exons	174..614		

Seq. No.	34187	Seq. ID	OJ000251_13.0302.C47
Gene No.	70735	Strand	+
Start	1	End	635
Name	OJ000251_13.0302.C47.o2.ts	Method	TBLASTX:Soybean
Start	402	End	631

GI	none	Score	190
Exons	402..629, 404..631		
Seq. No.	34188	Seq. ID	OJ000251_13.0302.C49
Gene No.	70736	Strand	-
Start	1	End	321
Name	OJ000251_13.0302.C49.o1.gp	Method	AAT/GAP
Start	1	End	144
GI	635_1.R1084	Score	265
Exons	1..144		
GI Descrip.	'459009 1.0e-133 (U00037) similar to multifunctional aminoacyl-tRNA synthetase, especially to the prolyl-tRNA synthetase region [Caenorhabditis elegans]'		
Seq. No.	34188	Seq. ID	OJ000251_13.0302.C49
Gene No.	70736	Strand	-
Start	1	End	321
Name	OJ000251_13.0302.C49.o1.np	Method	AAT/NAP
Start	1	End	321
GI	6899922	Score	147
Exons	1..144, 260..321		
GI Descrip.	(AL138651) multifunctional aminoacyl-tRNA ligase-like protein [Arabidopsis thaliana]		
Seq. No.	34188	Seq. ID	OJ000251_13.0302.C49
Gene No.	70736	Strand	-
Start	1	End	321
Name	OJ000251_13.0302.C49.o1.ts	Method	TBLASTX:Soybean
Start	1	End	151
GI	none	Score	135
Exons	1..144, 2..151		
Seq. No.	34188	Seq. ID	OJ000251_13.0302.C49
Gene No.	70736	Strand	-
Start	1	End	321
Name	OJ000251_13.0302.C49.o1.tm	Method	TBLASTX:Maize
Start	1	End	146
GI	none	Score	119
Exons	1..144, 1..144, 2..145, 26..145, 33..146		
Seq. No.	34188	Seq. ID	OJ000251_13.0302.C49
Gene No.	70736	Strand	-
Start	1	End	321
Name	OJ000251_13.0302.C49.o1.tc	Method	TBLASTX:Cress
Start	4	End	145
GI	none	Score	128
Exons	4..144, 35..145, 35..145		
Seq. No.	34189	Seq. ID	OJ000251_13.0302.C53
Gene No.	70737	Strand	+
Start	1	End	139
Name	OJ000251_13.0302.C53.o1.np	Method	AAT/NAP
Start	1	End	139
GI	4544415	Score	111
Exons	1..139		
GI Descrip.	(AC006955) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	34190	Seq. ID	OJ000251_13.0302.C54
Gene No.	70738	Strand	-
Start	39	End	416
Name	OJ000251_13.0302.C54.ol.gs	Method	GENSCAN
Start	39	End	416
GI	none	Score	.83
Exons	39..218, 318..416		
Seq. No.	34191	Seq. ID	OJ000251_13.0302.C56
Gene No.	70739	Strand	-
Start	1	End	342
Name	OJ000251_13.0302.C56.ol.np	Method	AAT/NAP
Start	1	End	342
GI	5739323	Score	277
Exons	1..342		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		
Seq. No.	34192	Seq. ID	OJ000251_13.0302.C60
Gene No.	70740	Strand	+
Start	1	End	631
Name	OJ000251_13.0302.C60.ol.np	Method	AAT/NAP
Start	1	End	631
GI	5739323	Score	501
Exons	1..631		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		
Seq. No.	34192	Seq. ID	OJ000251_13.0302.C60
Gene No.	70740	Strand	+
Start	1	End	631
Name	OJ000251_13.0302.C60.ol.tm	Method	TBLASTX:Maize
Start	18	End	579
GI	none	Score	95
Exons	18..155, 227..535, 228..458, 267..458, 269..544, 303..545, 346..579		
Seq. No.	34192	Seq. ID	OJ000251_13.0302.C60
Gene No.	70740	Strand	+
Start	1	End	631
Name	OJ000251_13.0302.C60.ol.gs	Method	GENSCAN
Start	36	End	447
GI	none	Score	.43
Exons	36..447		
Seq. No.	34193	Seq. ID	OJ000251_13.0302.C61
Gene No.	70741	Strand	+
Start	354	End	636
Name	OJ000251_13.0302.C61.ol.ts	Method	TBLASTX:Soybean
Start	348	End	551
GI	none	Score	195
Exons	348..551, 348..479		
Seq. No.	34193	Seq. ID	OJ000251_13.0302.C61
Gene No.	70741	Strand	+
Start	354	End	636

Name	OJ000251_13.0302.C61.o1.tc	Method	TBLASTX:Cress
Start	350	End	551
GI	none	Score	211
Exons	350..457, 351..551		

Seq. No.	34193	Seq. ID	OJ000251_13.0302.C61
Gene No.	70741	Strand	+
Start	354	End	636
Name	OJ000251_13.0302.C61.o1.tm	Method	TBLASTX:Maize
Start	350	End	551
GI	none	Score	273
Exons	350..457, 354..551, 354..551		

Seq. No.	34193	Seq. ID	OJ000251_13.0302.C61
Gene No.	70741	Strand	+
Start	354	End	636
Name	OJ000251_13.0302.C61.o1.gs	Method	GENSCAN
Start	354	End	551
GI	none	Score	.65
Exons	354..551		

Seq. No.	34193	Seq. ID	OJ000251_13.0302.C61
Gene No.	70741	Strand	+
Start	354	End	636
Name	OJ000251_13.0302.C61.o1.np	Method	AAT/NAP
Start	354	End	636
GI	6598481	Score	186
Exons	354..636		
GI Descrip.	(AC005693) cycloartenol synthase [Arabidopsis thaliana]		

Seq. No.	34194	Seq. ID	OJ000251_13.0302.C63
Gene No.	70742	Strand	+
Start	94	End	175
Name	OJ000251_13.0302.C63.o1.gs	Method	GENSCAN
Start	94	End	175
GI	none	Score	.47
Exons	94..175		

Seq. No.	34195	Seq. ID	OJ990318_20.9819.C1
Gene No.	70743	Strand	-
Start	288	End	376
Name	OJ990318_20.9819.C1.o1.gs	Method	GENSCAN
Start	288	End	376
GI	none	Score	.79
Exons	288..376		

Seq. No.	34196	Seq. ID	OJ990318_20.9819.C2
Gene No.	70744	Strand	-
Start	1	End	746
Name	OJ990318_20.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	746
GI	2498930	Score	1195
Exons	1..746		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	34196	Seq. ID	OJ990318_20.9819.C2
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Gene No.	70744	Strand	-
Start	1	End	746
Name	OJ990318_20.9819.C2.ol.gs	Method	GENSCAN
Start	4	End	705
GI	none	Score	.96
Exons	4..705		
Seq. No.	34197	Seq. ID	OJ990318_20.9819.C3
Gene No.	70745	Strand	-
Start	318	End	702
Name	OJ990318_20.9819.C3.ol.np	Method	AAT/NAP
Start	318	End	702
GI	2498930	Score	95
Exons	318..471, 639..702		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	34197	Seq. ID	OJ990318_20.9819.C3
Gene No.	70745	Strand	-
Start	318	End	702
Name	OJ990318_20.9819.C3.ol.gs	Method	GENSCAN
Start	428	End	698
GI	none	Score	.65
Exons	428..471, 639..698		
Seq. No.	34198	Seq. ID	OJ990318_20.9819.C4
Gene No.	70746	Strand	+
Start	160	End	386
Name	OJ990318_20.9819.C4.ol.gs	Method	GENSCAN
Start	160	End	386
GI	none	Score	.57
Exons	160..386		
Seq. No.	34199	Seq. ID	OJ990318_20.9819.C5
Gene No.	70747	Strand	+
Start	1	End	968
Name	OJ990318_20.9819.C5.ol.np	Method	AAT/NAP
Start	1	End	968
GI	5902445	Score	565
Exons	1..968		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	34199	Seq. ID	OJ990318_20.9819.C5
Gene No.	70747	Strand	+
Start	1	End	968
Name	OJ990318_20.9819.C5.ol.tw	Method	TBLASTX:Wheat
Start	207	End	614
GI	none	Score	189
Exons	207..431, 239..433, 441..614, 470..562		
Seq. No.	34200	Seq. ID	OJ990318_20.9819.C6
Gene No.	70748	Strand	-
Start	209	End	850
Name	OJ990318_20.9819.C6.ol.np	Method	AAT/NAP
Start	209	End	850
GI	6539588	Score	59
Exons	209..389, 762..850		

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No.	34201	Seq. ID	OJ990318_20.9819.C7
Gene No.	70749	Strand	+
Start	368	End	624
Name	OJ990318_20.9819.C7.o1.gs	Method	GENSCAN
Start	368	End	624
GI	none	Score	.5
Exons	368..439, 514..624		

Seq. No.	34202	Seq. ID	OJ990318_20.9819.C8
Gene No.	70750	Strand	+
Start	509	End	2997
Name	OJ990318_20.9819.C8.o1.gs	Method	GENSCAN
Start	509	End	2997
GI	none	Score	.58
Exons	509..619, 2776..2997		

Seq. No.	34203	Seq. ID	OJ990318_20.9819.C9
Gene No.	70751	Strand	-
Start	4275	End	5729
Name	OJ990318_20.9819.C9.o2.gs	Method	GENSCAN
Start	4275	End	5288
GI	none	Score	.67
Exons	4275..4379, 4942..5288		

Seq. No.	34203	Seq. ID	OJ990318_20.9819.C9
Gene No.	70751	Strand	-
Start	4275	End	5729
Name	OJ990318_20.9819.C9.o1.np	Method	AAT/NAP
Start	4964	End	5729
GI	5902445	Score	512
Exons	4964..5729		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	34203	Seq. ID	OJ990318_20.9819.C9
Gene No.	70751	Strand	-
Start	4275	End	5729
Name	OJ990318_20.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	4976	End	5575
GI	none	Score	69
Exons	4976..5104, 5129..5185, 5202..5441, 5332..5439, 5444..5575		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70752	Strand	+
Start	11183	End	14087
Name	OJ990318_20.9819.C10.o2.gs	Method	GENSCAN
Start	11183	End	14087
GI	none	Score	.85
Exons	11183..11236, 11782..11862, 13911..14087		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70753	Strand	+
Start	17458	End	22504
Name	OJ990318_20.9819.C10.o4.np	Method	AAT/NAP
Start	17458	End	22504
GI	1167523	Score	288

Exons 17458..17512, 22022..22504
 GI Descrip. (D83003) ORF(AA 1-1338) [Nicotiana tabacum]

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70753	Strand	+
Start	17458	End	22504
Name	OJ990318_20.9819.C10.o4.gs	Method	GENSCAN
Start	20194	End	22059
GI	none	Score	.79
Exons	20194..20361, 20525..20653, 20714..20830, 21817..22059		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70754	Strand	+
Start	39296	End	45029
Name	OJ990318_20.9819.C10.o5.np	Method	AAT/NAP
Start	39296	End	45029
GI	6705984	Score	4635
Exons	39296..39430, 40298..40565, 40592..43504, 43671..45029		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70755	Strand	-
Start	188	End	10004
Name	OJ990318_20.9819.C10.o1.np	Method	AAT/NAP
Start	188	End	8277
GI	5902445	Score	2166
Exons	188..1424, 2662..3764, 7661..8277		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70755	Strand	-
Start	188	End	10004
Name	OJ990318_20.9819.C10.o1.gs	Method	GENSCAN
Start	539	End	10004
GI	none	Score	.63
Exons	539..855, 1139..1427, 1671..1730, 1746..1901, 2567..2626, 2650..2808, 2900..3152, 3261..3494, 3496..3629, 5636..5754, 8101..8260, 8365..8939, 9062..9289, 9353..9495, 9970..10004		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70755	Strand	-
Start	188	End	10004
Name	OJ990318_20.9819.C10.o2.np	Method	AAT/NAP
Start	8344	End	9289
GI	5902444	Score	509
Exons	8344..9289		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o13.tw	Method	TBLASTX:Wheat
Start	443	End	697
GI	none	Score	92
Exons	443..697, 537..671		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
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Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o8.tw	Method	TBLASTX:Wheat
Start	713	End	1105
GI	none	Score	91
Exons	713..1105, 942..1088		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o11.tm	Method	TBLASTX:Maize
Start	737	End	44603
GI	none	Score	213
Exons	737..907, 44310..44603, 44318..44458		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o7.tm	Method	TBLASTX:Maize
Start	977	End	1421
GI	none	Score	44
Exons	977..1261, 1025..1066, 1119..1250, 1248..1421, 1353..1421		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o5.tw	Method	TBLASTX:Wheat
Start	1776	End	41143
GI	none	Score	58
Exons	1776..1829, 40651..40731, 40715..41143, 40801..41040, 40826..41074		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o9.tw	Method	TBLASTX:Wheat
Start	2987	End	3394
GI	none	Score	70
Exons	2987..3160, 3039..3131, 3168..3362, 3170..3394		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o3.tm	Method	TBLASTX:Maize
Start	3525	End	43399
GI	none	Score	410
Exons	3525..3773, 42872..43399, 42937..43317		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o6.tw	Method	TBLASTX:Wheat
Start	3525	End	43249
GI	none	Score	315
Exons	3525..3773, 42848..43249, 42905..43084		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
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Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o4.tm	Method	TBLASTX:Maize
Start	7920	End	42853
GI	none	Score	398
Exons	7920..8132, 42386..42853, 42434..42760, 42520..42822		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o4.tw	Method	TBLASTX:Wheat
Start	7920	End	42667
GI	none	Score	185
Exons	7920..8132, 7921..8130, 8127..8189, 8200..8331, 8201..8332, 42464..42667		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o7.tw	Method	TBLASTX:Wheat
Start	8527	End	8979
GI	none	Score	88
Exons	8527..8718, 8537..8659, 8542..8718, 8719..8760, 8806..8979, 8870..8971		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o9.tm	Method	TBLASTX:Maize
Start	12015	End	12476
GI	none	Score	113
Exons	12015..12056, 12112..12378, 12378..12476		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o3.ts	Method	TBLASTX:Soybean
Start	12699	End	13124
GI	none	Score	208
Exons	12699..12800, 12810..13124		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	12726	End	13549
GI	none	Score	117
Exons	12726..12758, 12807..13475, 13087..13347, 13281..13451, 13369..13464, 13444..13509, 13472..13549, 13480..13542		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o11.tw	Method	TBLASTX:Wheat
Start	13065	End	13403
GI	none	Score	159
Exons	13065..13217, 13218..13403		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o3.gs	Method	GENSCAN
Start	14733	End	19729
GI	none	Score	.5
Exons	14733..15284, 15445..16190, 18521..18619, 19219..19291, 19625..19729		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o12.tw	Method	TBLASTX:Wheat
Start	15409	End	15625
GI	none	Score	117
Exons	15409..15621, 15494..15625		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o12.tm	Method	TBLASTX:Maize
Start	15580	End	15823
GI	none	Score	62
Exons	15580..15645, 15581..15634, 15590..15646, 15683..15739, 15686..15739, 15687..15818, 15688..15822, 15773..15823		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o5.tm	Method	TBLASTX:Maize
Start	15826	End	16154
GI	none	Score	282
Exons	15826..16140, 15827..16141, 15828..16142, 15992..16141, 16011..16154		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o8.tm	Method	TBLASTX:Maize
Start	38230	End	38756
GI	none	Score	200
Exons	38230..38634, 38233..38556, 38552..38605, 38553..38657, 38659..38754, 38659..38742, 38661..38756		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o3.tw	Method	TBLASTX:Wheat
Start	41516	End	42007
GI	none	Score	270
Exons	41516..41791, 41536..41763, 41798..42001, 41799..41837, 41831..42007		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840

Name	OJ990318_20.9819.C10.o4.ts	Method	TBLASTX:Soybean
Start	41567	End	41976
GI	none	Score	120
Exons	41567..41794, 41632..41793, 41782..41802, 41846..41974, 41848..41976		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o10.tm	Method	TBLASTX:Maize
Start	42161	End	42361
GI	none	Score	56
Exons	42161..42205, 42201..42284, 42217..42354, 42218..42361		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o14.tw	Method	TBLASTX:Wheat
Start	42673	End	42847
GI	none	Score	181
Exons	42673..42846, 42674..42847		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	42776	End	43123
GI	none	Score	344
Exons	42776..43123, 42892..43122		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o2.ts	Method	TBLASTX:Soybean
Start	43157	End	43416
GI	none	Score	323
Exons	43157..43414, 43186..43416		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o10.tw	Method	TBLASTX:Wheat
Start	43336	End	43906
GI	none	Score	230
Exons	43336..43506, 43337..43501, 43349..43558, 43659..43709, 43697..43906, 43708..43902		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	43886	End	44240
GI	none	Score	374
Exons	43886..44239, 43935..44240		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-

Start	14733	End	44840
Name	OJ990318_20.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	43958	End	44307
GI	none	Score	492
Exons	43958..44302, 43959..44303, 43965..44303, 43969..44307		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o5.ts	Method	TBLASTX:Soybean
Start	44022	End	44375
GI	none	Score	67
Exons	44022..44087, 44106..44180, 44193..44375		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o2.tw	Method	TBLASTX:Wheat
Start	44052	End	44411
GI	none	Score	404
Exons	44052..44411, 44052..44402, 44057..44404		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70756	Strand	-
Start	14733	End	44840
Name	OJ990318_20.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	44442	End	44840
GI	none	Score	475
Exons	44442..44840, 44444..44830		

Seq. No.	34204	Seq. ID	OJ990318_20.9819.C10
Gene No.	70757	Strand	-
Start	44759	End	45005
Name	OJ990318_20.9819.C10.o6.tm	Method	TBLASTX:Maize
Start	44759	End	45005
GI	none	Score	303
Exons	44759..44974, 44760..45005, 44760..45005		

Seq. No.	34205	Seq. ID	OJ990318_20.9819.C11
Gene No.	70758	Strand	-
Start	387	End	982
Name	OJ990318_20.9819.C11.o1.gs	Method	GENSCAN
Start	387	End	982
GI	none	Score	.63
Exons	387..424, 636..918, 941..982		

Seq. No.	34206	Seq. ID	OJ990318_20.9819.C13
Gene No.	70759	Strand	+
Start	1	End	2302
Name	OJ990318_20.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	544
GI	6705984	Score	652
Exons	1..544		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	34206	Seq. ID	OJ990318_20.9819.C13
Gene No.	70759	Strand	+

Start	1	End	2302
Name	OJ990318_20.9819.C13.o1.gs	Method	GENSCAN
Start	212	End	2302
GI	none	Score	.58
Exons	212..278, 477..643, 683..822, 1435..1653, 1696..2302		
Seq. No.	34206	Seq. ID	OJ990318_20.9819.C13
Gene No.	70760	Strand	+
Start	3848	End	7936
Name	OJ990318_20.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	40	End	358
GI	none	Score	362
Exons	40..345, 41..358, 44..355		
Seq. No.	34206	Seq. ID	OJ990318_20.9819.C13
Gene No.	70760	Strand	+
Start	3848	End	7936
Name	OJ990318_20.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	274	End	520
GI	none	Score	329
Exons	274..519, 275..520, 275..520		
Seq. No.	34206	Seq. ID	OJ990318_20.9819.C13
Gene No.	70760	Strand	+
Start	3848	End	7936
Name	OJ990318_20.9819.C13.o2.tm	Method	TBLASTX:Maize
Start	710	End	1234
GI	none	Score	173
Exons	710..1030, 711..1037, 713..1036, 1032..1082, 1032..1139, 1033..1137, 1123..1224, 1139..1234, 1139..1222		
Seq. No.	34206	Seq. ID	OJ990318_20.9819.C13
Gene No.	70760	Strand	+
Start	3848	End	7936
Name	OJ990318_20.9819.C13.o2.gs	Method	GENSCAN
Start	3848	End	7936
GI	none	Score	.55
Exons	3848..3863, 4627..4822, 4986..6133, 6820..7002, 7070..7188, 7453..7936		
Seq. No.	34206	Seq. ID	OJ990318_20.9819.C13
Gene No.	70760	Strand	+
Start	3848	End	7936
Name	OJ990318_20.9819.C13.o2.np	Method	AAT/NAP
Start	3848	End	7074
GI	6539588	Score	237
Exons	3848..3871, 4592..4850, 7048..7074		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	34207	Seq. ID	OJ990318_20.9819.C16
Gene No.	70761	Strand	+
Start	1	End	855
Name	OJ990318_20.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	855
GI	6705984	Score	248
Exons	1..855		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	34207	Seq. ID	OJ990318_20.9819.C16
Gene No.	70761	Strand	+
Start	1	End	855
Name	OJ990318_20.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	79	End	527
GI	none	Score	249
Exons	79..159, 143..511, 168..527, 229..468		

Seq. No.	34207	Seq. ID	OJ990318_20.9819.C16
Gene No.	70761	Strand	+
Start	1	End	855
Name	OJ990318_20.9819.C16.o1.gs	Method	GENSCAN
Start	146	End	725
GI	none	Score	.61
Exons	146..725		

Seq. No.	34208	Seq. ID	OJ990318_20.9819.C17
Gene No.	70762	Strand	+
Start	1	End	502
Name	OJ990318_20.9819.C17.o1.np	Method	AAT/NAP
Start	1	End	502
GI	6498441	Score	295

Exons 1..120, 214..502

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	34208	Seq. ID	OJ990318_20.9819.C17
Gene No.	70763	Strand	+
Start	546	End	617
Name	OJ990318_20.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	43	End	492
GI	none	Score	157
Exons	43..264, 60..134, 281..337, 361..492, 362..490		

Seq. No.	34208	Seq. ID	OJ990318_20.9819.C17
Gene No.	70763	Strand	+
Start	546	End	617
Name	OJ990318_20.9819.C17.o1.gp	Method	AAT/GAP
Start	546	End	617
GI	LIB3477-003-P1-K1-E9	Score	93
Exons	546..617		
GI Descrip.	'2498586/sp Q40638 MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	34209	Seq. ID	OJ990318_20.9819.C18
Gene No.	70764	Strand	+
Start	135	End	5150
Name	OJ990318_20.9819.C18.o1.np	Method	AAT/NAP
Start	135	End	4138
GI	4006861	Score	1068
Exons	135..302, 834..876, 979..1066, 1690..2041, 2185..2437, 2851..3096, 3186..3302, 3693..4138		
GI Descrip.	(Z99707) tubulin-like protein [Arabidopsis thaliana]		

Seq. No.	34209	Seq. ID	OJ990318_20.9819.C18
Gene No.	70764	Strand	+
Start	135	End	5150
Name	OJ990318_20.9819.C18.o1.gs	Method	GENSCAN
Start	1690	End	5150
GI	none	Score	.62
Exons	1690..2041, 2185..2437, 2851..3050, 3182..3330, 3835..4010, 4764..4849, 5028..5150		

Seq. No.	34209	Seq. ID	OJ990318_20.9819.C18
Gene No.	70764	Strand	+
Start	135	End	5150
Name	OJ990318_20.9819.C18.o1.gp	Method	AAT/GAP
Start	1960	End	3212
GI	428723	Score	663
Exons	1960..2041, 2851..3093, 3182..3212		
GI Descrip.	4006861/emb CAB16779.1 3.0e-15 (Z99707) tubulin-like protein [Arabidopsis thaliana]		

Seq. No.	34209	Seq. ID	OJ990318_20.9819.C18
Gene No.	70765	Strand	+
Start	7398	End	10889
Name	OJ990318_20.9819.C18.o3.gs	Method	GENSCAN
Start	7398	End	10889
GI	none	Score	.47
Exons	7398..7404, 8651..8787, 9601..9804, 9843..9979, 10252..10563, 10676..10889		

Seq. No.	34209	Seq. ID	OJ990318_20.9819.C18
Gene No.	70766	Strand	-
Start	5384	End	6041
Name	OJ990318_20.9819.C18.o2.gs	Method	GENSCAN
Start	5384	End	6041
GI	none	Score	.58
Exons	5384..5505, 5696..6041		

Seq. No.	34209	Seq. ID	OJ990318_20.9819.C18
Gene No.	70767	Strand	-
Start	6886	End	7053
Name	OJ990318_20.9819.C18.o2.gp	Method	AAT/GAP
Start	6886	End	7053
GI	LIB3433-050-P1-K1-D2	Score	298
Exons	6886..7053		
GI Descrip.	'6015437/dbj AB008112.1 AB008112 1.0e-12 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	34209	Seq. ID	OJ990318_20.9819.C18
Gene No.	70768	Strand	-
Start	12146	End	12516
Name	OJ990318_20.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	1874	End	2431
GI	none	Score	275
Exons	1874..2041, 1879..2037, 2182..2325, 2182..2310, 2183..2323, 2184..2345, 2184..2324, 2319..2426, 2320..2430, 2342..2431		

Seq. No.	34209	Seq. ID	OJ990318_20.9819.C18
Gene No.	70768	Strand	-

Start	12146	End	12516
Name	OJ990318_20.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	2960	End	4072
GI	none	Score	202
Exons	2960..3091, 2961..3092, 3194..3304, 3194..3289, 3198..3302, 3691..3864, 3692..3865, 3866..4072, 3871..4071		

Seq. No.	34209	Seq. ID	OJ990318_20.9819.C18
Gene No.	70768	Strand	-
Start	12146	End	12516
Name	OJ990318_20.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	3710	End	4155
GI	none	Score	66
Exons	3710..3823, 3760..4155, 3761..4147		

Seq. No.	34209	Seq. ID	OJ990318_20.9819.C18
Gene No.	70768	Strand	-
Start	12146	End	12516
Name	OJ990318_20.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	3769	End	4126
GI	none	Score	350
Exons	3769..4110, 3770..4126		

Seq. No.	34209	Seq. ID	OJ990318_20.9819.C18
Gene No.	70768	Strand	-
Start	12146	End	12516
Name	OJ990318_20.9819.C18.o2.np	Method	AAT/NAP
Start	12146	End	12516
GI	5852093	Score	85
Exons	12146..12516		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	34210	Seq. ID	OJ990318_20.9819.C19
Gene No.	70769	Strand	+
Start	1	End	11858
Name	OJ990318_20.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	11858
GI	5306245	Score	186
Exons	1..311, 6158..6605, 7041..7123, 11822..11858		
GI Descrip.	(AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	34210	Seq. ID	OJ990318_20.9819.C19
Gene No.	70770	Strand	-
Start	2126	End	11504
Name	OJ990318_20.9819.C19.o1.gs	Method	GENSCAN
Start	2126	End	11504
GI	none	Score	.55
Exons	2126..2261, 2352..2428, 2791..3011, 3104..3455, 3541..3762, 3871..4107, 6103..6806, 7057..7143, 10693..10890, 11086..11230, 11412..11504		

Seq. No.	34210	Seq. ID	OJ990318_20.9819.C19
Gene No.	70770	Strand	-
Start	2126	End	11504
Name	OJ990318_20.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	3541	End	4284
GI	none	Score	122

Exons 3541..3765, 3580..3750, 3907..4107, 3911..4114, 4198..4284

Seq. No.	34210	Seq. ID	OJ990318_20.9819.C19
Gene No.	70770	Strand	-
Start	2126	End	11504
Name	OJ990318_20.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	3541	End	4062
GI	none	Score	71
Exons	3541..3765, 3870..3902, 3893..4060, 3898..4062		

Seq. No.	34211	Seq. ID	OJ990318_20.9819.C20
Gene No.	70771	Strand	-
Start	8107	End	12065
Name	OJ990318_20.9819.C20.o2.gs	Method	GENSCAN
Start	8107	End	12065
GI	none	Score	.42
Exons	8107..9013, 9186..9357, 9671..9794, 9964..10023, 11515..11738, 12008..12065		

Seq. No.	34211	Seq. ID	OJ990318_20.9819.C20
Gene No.	70772	Strand	-
Start	13725	End	16142
Name	OJ990318_20.9819.C20.o2.ts	Method	TBLASTX:Soybean
Start	13716	End	14384
GI	none	Score	48
Exons	13716..13976, 13792..13962, 13995..14384, 14038..14280		

Seq. No.	34211	Seq. ID	OJ990318_20.9819.C20
Gene No.	70772	Strand	-
Start	13725	End	16142
Name	OJ990318_20.9819.C20.o3.gs	Method	GENSCAN
Start	13725	End	15933
GI	none	Score	.63
Exons	13725..14440, 14584..15330, 15409..15933		

Seq. No.	34211	Seq. ID	OJ990318_20.9819.C20
Gene No.	70772	Strand	-
Start	13725	End	16142
Name	OJ990318_20.9819.C20.o1.np	Method	AAT/NAP
Start	13728	End	16142
GI	6630685	Score	1895
Exons	13728..15612, 15685..16142		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	34211	Seq. ID	OJ990318_20.9819.C20
Gene No.	70772	Strand	-
Start	13725	End	16142
Name	OJ990318_20.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	13746	End	14402
GI	none	Score	138
Exons	13746..14402, 13761..14114, 13777..14394		

Seq. No.	34211	Seq. ID	OJ990318_20.9819.C20
Gene No.	70772	Strand	-
Start	13725	End	16142
Name	OJ990318_20.9819.C20.o2.tc	Method	TBLASTX:Cress

Start	13746	End	14111
GI	none	Score	72
Exons	13746..13991, 13798..13959, 13980..14111		

Seq. No.	34211	Seq. ID	OJ990318_20.9819.C20
Gene No.	70772	Strand	-
Start	13725	End	16142
Name	OJ990318_20.9819.C20.o2.tw	Method	TBLASTX:Wheat
Start	13791	End	14246
GI	none	Score	119
Exons	13791..13967, 13986..14246		

Seq. No.	34211	Seq. ID	OJ990318_20.9819.C20
Gene No.	70772	Strand	-
Start	13725	End	16142
Name	OJ990318_20.9819.C20.o2.tm	Method	TBLASTX:Maize
Start	14652	End	15091
GI	none	Score	217
Exons	14652..15008, 14654..15091		

Seq. No.	34211	Seq. ID	OJ990318_20.9819.C20
Gene No.	70772	Strand	-
Start	13725	End	16142
Name	OJ990318_20.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	14754	End	15367
GI	5509260	Score	198
Exons	14754..15008, 14759..15295, 15064..15234, 15066..15278, 15068..15304, 15317..15367		
GI Descrip.	-		

Seq. No.	34211	Seq. ID	OJ990318_20.9819.C20
Gene No.	70772	Strand	-
Start	13725	End	16142
Name	OJ990318_20.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	14762	End	15239
GI	none	Score	82
Exons	14762..14944, 14768..15169, 14787..14948, 14989..15021, 15069..15107, 15132..15239, 15149..15220		

Seq. No.	34211	Seq. ID	OJ990318_20.9819.C20
Gene No.	70772	Strand	-
Start	13725	End	16142
Name	OJ990318_20.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	14873	End	15133
GI	none	Score	218
Exons	14873..15133		

Seq. No.	34211	Seq. ID	OJ990318_20.9819.C20
Gene No.	70772	Strand	-
Start	13725	End	16142
Name	OJ990318_20.9819.C20.o3.tm	Method	TBLASTX:Maize
Start	15683	End	16105
GI	none	Score	232
Exons	15683..15835, 15830..16105, 15831..16103		

Seq. No.	34211	Seq. ID	OJ990318_20.9819.C20
Gene No.	70772	Strand	-

Start	13725	End	16142
Name	OJ990318_20.9819.C20.o3.ts	Method	TBLASTX:Soybean
Start	15683	End	16105
GI	none	Score	37
Exons	15683..15811, 15692..15820, 15833..16105, 15840..16070		

Seq. No.	34211	Seq. ID	OJ990318_20.9819.C20
Gene No.	70772	Strand	-
Start	13725	End	16142
Name	OJ990318_20.9819.C20.o3.tc	Method	TBLASTX:Cress
Start	15684	End	16105
GI	none	Score	72
Exons	15684..15821, 15689..15820, 15836..15910, 15896..16048, 15953..16105, 16041..16082		

Seq. No.	34211	Seq. ID	OJ990318_20.9819.C20
Gene No.	70772	Strand	-
Start	13725	End	16142
Name	OJ990318_20.9819.C20.o3.tw	Method	TBLASTX:Wheat
Start	15926	End	16084
GI	none	Score	93
Exons	15926..16084, 15932..16048, 15933..16079		

Seq. No.	34212	Seq. ID	OJ990318_20.9819.C21
Gene No.	70773	Strand	+
Start	533	End	752
Name	OJ990318_20.9819.C21.o1.gs	Method	GENSCAN
Start	533	End	752
GI	none	Score	.75
Exons	533..752		

Seq. No.	34213	Seq. ID	OJ990318_20.9819.C22
Gene No.	70774	Strand	+
Start	1	End	857
Name	OJ990318_20.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	857
GI	4378066	Score	383
Exons	1..708, 832..857		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi 4680208 gb AAD27571.1 AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	34213	Seq. ID	OJ990318_20.9819.C22
Gene No.	70774	Strand	+
Start	1	End	857
Name	OJ990318_20.9819.C22.o1.gs	Method	GENSCAN
Start	114	End	655
GI	none	Score	.66
Exons	114..298, 407..655		

Seq. No.	34213	Seq. ID	OJ990318_20.9819.C22
Gene No.	70774	Strand	+
Start	1	End	857
Name	OJ990318_20.9819.C22.o1.tw	Method	TBLASTX:Wheat
Start	165	End	572
GI	none	Score	146
Exons	165..389, 399..572, 428..571		

Seq. No.	34214	Seq. ID	OJ990318_20.9819.C23
Gene No.	70775	Strand	+
Start	348	End	496
Name	OJ990318_20.9819.C23.o1.gs	Method	GENSCAN
Start	348	End	496
GI	none	Score	1
Exons	348..496		

Seq. No.	34215	Seq. ID	OJ990318_22.9819.C1
Gene No.	70776	Strand	+
Start	197	End	2287
Name	OJ990318_22.9819.C1.o1.gs	Method	GENSCAN
Start	197	End	2045
GI	none	Score	.87
Exons	197..232, 1087..1209, 1302..1407, 1582..1679, 1754..1858, 1953..2045		

Seq. No.	34215	Seq. ID	OJ990318_22.9819.C1
Gene No.	70776	Strand	+
Start	197	End	2287
Name	OJ990318_22.9819.C1.o1.np	Method	AAT/NAP
Start	197	End	2287
GI	2244913	Score	561
Exons	197..232, 398..483, 669..723, 1105..1209, 1302..1407, 1582..1682, 1754..1885, 1953..2045, 2184..2287		
GI Descrip.	(Z97339) SEN1 like protein [Arabidopsis thaliana]		

Seq. No.	34215	Seq. ID	OJ990318_22.9819.C1
Gene No.	70776	Strand	+
Start	197	End	2287
Name	OJ990318_22.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	404	End	1355
GI	none	Score	128
Exons	404..484, 406..483, 658..720, 666..719, 1094..1189, 1098..1208, 1099..1209, 1297..1350, 1302..1355, 1302..1355		

Seq. No.	34215	Seq. ID	OJ990318_22.9819.C1
Gene No.	70776	Strand	+
Start	197	End	2287
Name	OJ990318_22.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	1562	End	2036
GI	none	Score	180
Exons	1562..1678, 1569..1685, 1569..1679, 1756..1857, 1759..1860, 1952..2035, 1953..2036, 1955..2035		

Seq. No.	34216	Seq. ID	OJ990318_22.9819.C2
Gene No.	70777	Strand	+
Start	798	End	1173
Name	OJ990318_22.9819.C2.o1.gs	Method	GENSCAN
Start	798	End	1173
GI	none	Score	.82
Exons	798..938, 1032..1173		

Seq. No.	34217	Seq. ID	OJ990318_22.9819.C3
Gene No.	70778	Strand	+
Start	987	End	3920

Name	OJ990318_22.9819.C3.o1.gs	Method	GENSCAN
Start	987	End	3920
GI	none	Score	.57
Exons	987..1124, 1613..1702, 1729..1905, 2624..2704, 3795..3920		

Seq. No.	34217	Seq. ID	OJ990318_22.9819.C3
Gene No.	70778	Strand	+
Start	987	End	3920
Name	OJ990318_22.9819.C3.o2.gp	Method	AAT/GAP
Start	3663	End	3892
GI	101153_1.R1084	Score	396
Exons	3663..3892		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	34217	Seq. ID	OJ990318_22.9819.C3
Gene No.	70779	Strand	-
Start	2408	End	2680
Name	OJ990318_22.9819.C3.o1.gp	Method	AAT/GAP
Start	2408	End	2680
GI	61605_1.R1084	Score	474
Exons	2408..2680		

GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
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Seq. No.	34217	Seq. ID	OJ990318_22.9819.C3
Gene No.	70780	Strand	-
Start	3052	End	6486
Name	OJ990318_22.9819.C3.o1.np	Method	AAT/NAP
Start	3052	End	6486
GI	6063554	Score	439
Exons	3052..3225, 3863..3892, 5061..5289, 5406..5662, 6428..6486		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34217	Seq. ID	OJ990318_22.9819.C3
Gene No.	70780	Strand	-
Start	3052	End	6486
Name	OJ990318_22.9819.C3.o2.gs	Method	GENSCAN
Start	4599	End	5289
GI	none	Score	.65
Exons	4599..4734, 4809..4883, 4940..5064, 5070..5289		

Seq. No.	34218	Seq. ID	OJ990318_22.9819.C4
Gene No.	70781	Strand	+
Start	103	End	5911
Name	OJ990318_22.9819.C4.o1.gs	Method	GENSCAN
Start	103	End	5911
GI	none	Score	.48
Exons	103..118, 2344..2375, 3284..3392, 4410..4554, 5410..5828, 5843..5911		

Seq. No.	34218	Seq. ID	OJ990318_22.9819.C4
Gene No.	70781	Strand	+
Start	103	End	5911
Name	OJ990318_22.9819.C4.o1.tm	Method	TBLASTX:Maize

Start	5474	End	5671
GI	none	Score	84
Exons	5474..5593, 5529..5594, 5579..5671, 5624..5671		

Seq. No.	34219	Seq. ID	OJ990318_22.9819.C5
Gene No.	70782	Strand	-
Start	2207	End	2625
Name	OJ990318_22.9819.C5.o1.gp	Method	AAT/GAP
Start	2207	End	2625
GI	none	Score	793
Exons	2207..2625		

Seq. No.	34220	Seq. ID	OJ990318_22.9819.C6
Gene No.	70783	Strand	-
Start	27	End	633
Name	OJ990318_22.9819.C6.o1.gs	Method	GENSCAN
Start	27	End	633
GI	none	Score	.67
Exons	27..310, 509..633		

Seq. No.	34221	Seq. ID	OJ990318_22.9819.C7
Gene No.	70784	Strand	+
Start	136	End	809
Name	OJ990318_22.9819.C7.o1.gs	Method	GENSCAN
Start	136	End	809
GI	none	Score	.47
Exons	136..207, 289..380, 753..809		

Seq. No.	34222	Seq. ID	OJ990318_22.9819.C8
Gene No.	70785	Strand	+
Start	1091	End	2680
Name	OJ990318_22.9819.C8.o1.gs	Method	GENSCAN
Start	1091	End	2680
GI	none	Score	.79
Exons	1091..1142, 1565..1766, 1809..1958, 2653..2680		

Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
Gene No.	70786	Strand	+
Start	33	End	762
Name	OJ990318_22.9819.C11.o1.gp	Method	AAT/GAP
Start	33	End	762
GI	101153_1.R1084	Score	404
Exons	33..80, 539..762		

GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
Gene No.	70787	Strand	+
Start	9888	End	14308
Name	OJ990318_22.9819.C11.o3.np	Method	AAT/NAP
Start	9750	End	13324
GI	5295950	Score	555
Exons	9750..9801, 10700..11081, 13285..13324		
GI Descrip.	(AB026295) EST AU066268(S5980) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
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Gene No.	70787	Strand	+
Start	9888	End	14308
Name	OJ990318_22.9819.C11.o2.gs	Method	GENSCAN
Start	9888	End	14308
GI	none	Score	.81
Exons	9888..9945, 10770..10864, 10917..11081, 11979..12200, 12294..12435, 12560..12699, 13004..13097, 13595..13630, 14165..14308		
Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
Gene No.	70787	Strand	+
Start	9888	End	14308
Name	OJ990318_22.9819.C11.o4.gp	Method	AAT/GAP
Start	10782	End	11192
GI	LIB3433-037-P1-K1-H5	Score	790
Exons	10782..11192		
GI Descrip.	'5295936/dbj AB026295.2 AB026295 9.0e-92 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		
Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
Gene No.	70787	Strand	+
Start	9888	End	14308
Name	OJ990318_22.9819.C11.o5.gp	Method	AAT/GAP
Start	11438	End	11748
GI	LIB3475-011-P1-K1-B8	Score	575
Exons	11438..11748		
GI Descrip.	'5295936/dbj AB026295.2 AB026295 1.0e-140 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		
Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
Gene No.	70788	Strand	-
Start	775	End	1291
Name	OJ990318_22.9819.C11.o2.gp	Method	AAT/GAP
Start	775	End	1291
GI	uC-osflM202048c12b1	Score	799
Exons	775..1291		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
Gene No.	70789	Strand	-
Start	1748	End	2076
Name	OJ990318_22.9819.C11.o3.gp	Method	AAT/GAP
Start	1748	End	2076
GI	61605_3.R1084	Score	359
Exons	1748..2076		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
Gene No.	70790	Strand	-
Start	2699	End	8286
Name	OJ990318_22.9819.C11.o1.np	Method	AAT/NAP
Start	2699	End	7888
GI	4972079	Score	580
Exons	2699..2720, 2862..2892, 5941..7153, 7238..7357, 7451..7888		
GI Descrip.	(AL078469) putative protein [Arabidopsis thaliana]		

Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
Gene No.	70790	Strand	-
Start	2699	End	8286
Name	OJ990318_22.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	5940	End	6259
GI	none	Score	97
Exons	5940..6197, 5942..6181, 6024..6182, 6158..6259		

Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
Gene No.	70790	Strand	-
Start	2699	End	8286
Name	OJ990318_22.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	5945	End	6253
GI	none	Score	187
Exons	5945..6253		

Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
Gene No.	70790	Strand	-
Start	2699	End	8286
Name	OJ990318_22.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	5945	End	6214
GI	none	Score	194
Exons	5945..6214		

Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
Gene No.	70790	Strand	-
Start	2699	End	8286
Name	OJ990318_22.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	6017	End	6418
GI	none	Score	196
Exons	6017..6418		

Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
Gene No.	70790	Strand	-
Start	2699	End	8286
Name	OJ990318_22.9819.C11.o4.tm	Method	TBLASTX:Maize
Start	6261	End	6544
GI	none	Score	38
Exons	6261..6302, 6377..6544, 6420..6539		

Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
Gene No.	70790	Strand	-
Start	2699	End	8286
Name	OJ990318_22.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	6356	End	6652
GI	none	Score	203
Exons	6356..6439, 6443..6652		

Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
Gene No.	70790	Strand	-
Start	2699	End	8286
Name	OJ990318_22.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	6449	End	6898
GI	none	Score	78
Exons	6449..6562, 6459..6542, 6611..6706, 6713..6853, 6713..6898		

Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
Gene No.	70790	Strand	-
Start	2699	End	8286
Name	OJ990318_22.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	6545	End	6874
GI	none	Score	54
Exons	6545..6655, 6591..6635, 6692..6874, 6702..6872		

Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
Gene No.	70790	Strand	-
Start	2699	End	8286
Name	OJ990318_22.9819.C11.o2.np	Method	AAT/NAP
Start	6551	End	8286
GI	3377836	Score	403
Exons	6551..7717, 8152..8286		
GI Descrip.	(AF075598) contains similarity to reverse transcriptases [Arabidopsis thaliana]		

Seq. No.	34223	Seq. ID	OJ990318_22.9819.C11
Gene No.	70790	Strand	-
Start	2699	End	8286
Name	OJ990318_22.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	7472	End	7882
GI	none	Score	87
Exons	7472..7783, 7560..7772, 7802..7882		

Seq. No.	34224	Seq. ID	OJ990318_22.9819.C12
Gene No.	70791	Strand	+
Start	350	End	435
Name	OJ990318_22.9819.C12.o1.gs	Method	GENSCAN
Start	350	End	435
GI	none	Score	.94
Exons	350..435		

Seq. No.	34225	Seq. ID	OJ990318_22.9819.C13
Gene No.	70792	Strand	+
Start	1209	End	1700
Name	OJ990318_22.9819.C13.o1.gp	Method	AAT/GAP
Start	1209	End	1700
GI	none	Score	944
Exons	1209..1700		

Seq. No.	34225	Seq. ID	OJ990318_22.9819.C13
Gene No.	70793	Strand	-
Start	259	End	5061
Name	OJ990318_22.9819.C13.o1.gs	Method	GENSCAN
Start	259	End	5040
GI	none	Score	.47
Exons	259..373, 2637..2722, 4113..4226, 4399..5040		

Seq. No.	34225	Seq. ID	OJ990318_22.9819.C13
Gene No.	70793	Strand	-
Start	259	End	5061
Name	OJ990318_22.9819.C13.o2.gp	Method	AAT/GAP
Start	4378	End	4848
GI	uC-osflcyp109b07b1	Score	862
Exons	4378..4848		

GI Descrip. '4454031/emb|CAA23028.1| 3.0e-21 (AL035394) putative protein
[Arabidopsis thaliana]'

Seq. No.	34225	Seq. ID	OJ990318_22.9819.C13
Gene No.	70793	Strand	-
Start	259	End	5061
Name	OJ990318_22.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	4762	End	5061
GI	none	Score	41
Exons	4762..4887, 4767..4895, 4820..4894, 4897..5013, 4898..5011, 4915..5016, 4916..5017, 5017..5061, 5018..5059		

Seq. No.	34226	Seq. ID	OJ990318_22.9819.C14
Gene No.	70794	Strand	+
Start	535	End	3359
Name	OJ990318_22.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	166	End	636
GI	none	Score	178
Exons	166..354, 167..397, 409..537, 426..530, 543..626, 544..636		

Seq. No.	34226	Seq. ID	OJ990318_22.9819.C14
Gene No.	70794	Strand	+
Start	535	End	3359
Name	OJ990318_22.9819.C14.o1.gs	Method	GENSCAN
Start	535	End	3359
GI	none	Score	.62
Exons	535..670, 3208..3359		

Seq. No.	34226	Seq. ID	OJ990318_22.9819.C14
Gene No.	70794	Strand	+
Start	535	End	3359
Name	OJ990318_22.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	550	End	918
GI	none	Score	294
Exons	550..918, 570..917		

Seq. No.	34226	Seq. ID	OJ990318_22.9819.C14
Gene No.	70794	Strand	+
Start	535	End	3359
Name	OJ990318_22.9819.C14.o2.tm	Method	TBLASTX:Maize
Start	807	End	1124
GI	none	Score	239
Exons	807..1124, 808..1095		

Seq. No.	34227	Seq. ID	OJ990318_22.9819.C15
Gene No.	70795	Strand	+
Start	276	End	587
Name	OJ990318_22.9819.C15.o1.gs	Method	GENSCAN
Start	276	End	587
GI	none	Score	.82
Exons	276..587		

Seq. No.	34227	Seq. ID	OJ990318_22.9819.C15
Gene No.	70796	Strand	-
Start	1	End	1500
Name	OJ990318_22.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	1500

GI 5734621 Score 168
 Exons 1..133, 1237..1500
 GI Descrip. (AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]

Seq. No. 34228 Seq. ID OJ990318_22.9819.C16
 Gene No. 70797 Strand +
 Start 374 End 801
 Name OJ990318_22.9819.C16.o1.np Method AAT/NAP
 Start 374 End 801
 GI 2244913 Score 74
 Exons 374..464, 547..607, 674..801
 GI Descrip. (Z97339) SEN1 like protein [Arabidopsis thaliana]

Seq. No. 34228 Seq. ID OJ990318_22.9819.C16
 Gene No. 70797 Strand +
 Start 374 End 801
 Name OJ990318_22.9819.C16.o1.gs Method GENSCAN
 Start 378 End 765
 GI none Score .94
 Exons 378..464, 547..765

Seq. No. 34228 Seq. ID OJ990318_22.9819.C16
 Gene No. 70798 Strand +
 Start 738 End 1087
 Name OJ990318_22.9819.C16.o1.gp Method AAT/GAP
 Start 738 End 1087
 GI none Score 688
 Exons 738..1087

Seq. No. 34228 Seq. ID OJ990318_22.9819.C16
 Gene No. 70799 Strand -
 Start 1172 End 2172
 Name OJ990318_22.9819.C16.o1.tm Method TBLASTX:Maize
 Start 408 End 787
 GI none Score 85
 Exons 408..467, 410..448, 546..650, 547..666, 667..702, 670..765, 722..787

Seq. No. 34228 Seq. ID OJ990318_22.9819.C16
 Gene No. 70799 Strand -
 Start 1172 End 2172
 Name OJ990318_22.9819.C16.o2.gs Method GENSCAN
 Start 1172 End 2172
 GI none Score .48
 Exons 1172..1218, 2073..2172

Seq. No. 34228 Seq. ID OJ990318_22.9819.C16
 Gene No. 70799 Strand -
 Start 1172 End 2172
 Name OJ990318_22.9819.C16.o2.gp Method AAT/GAP
 Start 1547 End 1648
 GI LIB3477-003-P1-K1-E9 Score 131
 Exons 1547..1648
 GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza

sativa]'

Seq. No.	34229	Seq. ID	OJ990318_22.9819.C17
Gene No.	70800	Strand	+
Start	1	End	1008
Name	OJ990318_22.9819.C17.o1.np	Method	AAT/NAP
Start	1	End	738
GI	2244913	Score	449
Exons	1..123, 215..738		
GI Descrip.	(Z97339) SEN1 like protein [Arabidopsis thaliana]		

Seq. No.	34229	Seq. ID	OJ990318_22.9819.C17
Gene No.	70800	Strand	+
Start	1	End	1008
Name	OJ990318_22.9819.C17.o2.np	Method	AAT/NAP
Start	1	End	1008
GI	2739355	Score	150
Exons	1..123, 215..299, 375..734, 837..1008		
GI Descrip.	(AC003972) pNORF1 [Homo sapiens] gi 3328175 (AF074016) nonsense-mediated mRNA decay trans-acting factor [Homo sapiens]		

Seq. No.	34229	Seq. ID	OJ990318_22.9819.C17
Gene No.	70800	Strand	+
Start	1	End	1008
Name	OJ990318_22.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	51	End	476
GI	none	Score	78
Exons	51..110, 61..117, 64..126, 65..124, 186..302, 215..304, 354..473, 372..476, 374..475		

Seq. No.	34229	Seq. ID	OJ990318_22.9819.C17
Gene No.	70800	Strand	+
Start	1	End	1008
Name	OJ990318_22.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	64	End	629
GI	none	Score	65
Exons	64..126, 65..124, 213..302, 215..304, 216..302, 372..434, 443..490, 444..494, 510..629, 513..629		

Seq. No.	34229	Seq. ID	OJ990318_22.9819.C17
Gene No.	70800	Strand	+
Start	1	End	1008
Name	OJ990318_22.9819.C17.o1.gs	Method	GENSCAN
Start	65	End	959
GI	none	Score	.58
Exons	65..123, 215..299, 375..734, 837..959		

Seq. No.	34229	Seq. ID	OJ990318_22.9819.C17
Gene No.	70800	Strand	+
Start	1	End	1008
Name	OJ990318_22.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	372	End	620
GI	none	Score	66
Exons	372..443, 449..490, 450..494, 479..619, 495..620		

Seq. No.	34230	Seq. ID	OJ990318_22.9819.C18
Gene No.	70801	Strand	+

Start	1	End	3825
Name	OJ990318_22.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	3535
GI	4680203	Score	828
Exons	1..486, 521..1175, 3506..3535		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	34230	Seq. ID	OJ990318_22.9819.C18
Gene No.	70801	Strand	+
Start	1	End	3825
Name	OJ990318_22.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	6	End	348
GI	none	Score	47
Exons	6..56, 19..54, 54..125, 55..126, 118..348, 131..334		

Seq. No.	34230	Seq. ID	OJ990318_22.9819.C18
Gene No.	70801	Strand	+
Start	1	End	3825
Name	OJ990318_22.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	518	End	724
GI	none	Score	195
Exons	518..724, 580..711		

Seq. No.	34230	Seq. ID	OJ990318_22.9819.C18
Gene No.	70801	Strand	+
Start	1	End	3825
Name	OJ990318_22.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	524	End	987
GI	none	Score	45
Exons	524..574, 532..573, 577..675, 578..682, 689..724, 691..711, 716..787, 717..785, 724..786, 729..800, 831..986, 831..986, 886..987		

Seq. No.	34230	Seq. ID	OJ990318_22.9819.C18
Gene No.	70801	Strand	+
Start	1	End	3825
Name	OJ990318_22.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	575	End	1025
GI	none	Score	146
Exons	575..751, 634..705, 717..824, 831..1025		

Seq. No.	34230	Seq. ID	OJ990318_22.9819.C18
Gene No.	70801	Strand	+
Start	1	End	3825
Name	OJ990318_22.9819.C18.o2.gs	Method	GENSCAN
Start	3376	End	3825
GI	none	Score	.99
Exons	3376..3825		

Seq. No.	34230	Seq. ID	OJ990318_22.9819.C18
Gene No.	70801	Strand	+
Start	1	End	3825
Name	OJ990318_22.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	3474	End	3791
GI	none	Score	404
Exons	3474..3782, 3475..3777, 3711..3791		

Seq. No.	34230	Seq. ID	OJ990318_22.9819.C18
Gene No.	70801	Strand	+
Start	1	End	3825
Name	OJ990318_22.9819.C18.o2.ts	Method	TBLASTX:Soybean
Start	3475	End	3777
GI	none	Score	130
Exons	3475..3630, 3477..3611, 3646..3777, 3651..3704		

Seq. No.	34230	Seq. ID	OJ990318_22.9819.C18
Gene No.	70801	Strand	+
Start	1	End	3825
Name	OJ990318_22.9819.C18.o2.tc	Method	TBLASTX:Cress
Start	3478	End	3738
GI	none	Score	151
Exons	3478..3642, 3655..3738		

Seq. No.	34231	Seq. ID	OJ990318_22.9819.C19
Gene No.	70802	Strand	+
Start	465	End	2992
Name	OJ990318_22.9819.C19.o1.gs	Method	GENSCAN
Start	465	End	2992
GI	none	Score	93
Exons	465..604, 1163..1508, 1615..1863, 2418..2543, 2777..2992		

Seq. No.	34231	Seq. ID	OJ990318_22.9819.C19
Gene No.	70803	Strand	-
Start	1	End	9148
Name	OJ990318_22.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	9148
GI	135574	Score	73
Exons	1..57, 5859..6102, 9121..9148		
GI Descrip.	LARGE TEGUMENT PROTEIN gi 73929 pir QQBE8 BPLF1 protein - human herpesvirus 4 (strain B95-8) gi 1334853 emb CAA24839.1 (V01555) BPLF1 reading frame, 1 NXT/S, analogous to VZV RF22 [Human herpesvirus 4] gi 225109 prf 1208408E gene BPLF1 [Human herpesvirus 4]		

Seq. No.	34231	Seq. ID	OJ990318_22.9819.C19
Gene No.	70803	Strand	-
Start	1	End	9148
Name	OJ990318_22.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	1392	End	2947
GI	none	Score	87
Exons	1392..1505, 1604..1726, 1606..1866, 1612..1728, 1623..1868, 2454..2543, 2765..2947		

Seq. No.	34231	Seq. ID	OJ990318_22.9819.C19
Gene No.	70803	Strand	-
Start	1	End	9148
Name	OJ990318_22.9819.C19.o2.gs	Method	GENSCAN
Start	4948	End	5388
GI	none	Score	.97
Exons	4948..5388		

Seq. No.	34231	Seq. ID	OJ990318_22.9819.C19
Gene No.	70803	Strand	-
Start	1	End	9148

Name	OJ990318_22.9819.C19.o4.gs	Method	GENSCAN
Start	8038	End	8258
GI	none	Score	.88
Exons	8038..8258		
Seq. No.	34232	Seq. ID	OJ990318_22.9819.C20
Gene No.	70804	Strand	+
Start	617	End	710
Name	OJ990318_22.9819.C20.o1.gs	Method	GENSCAN
Start	617	End	710
GI	none	Score	.54
Exons	617..710		
Seq. No.	34233	Seq. ID	OJ990428_24.9819.C1
Gene No.	70805	Strand	-
Start	1	End	1350
Name	OJ990428_24.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	1350
GI	5902361	Score	248
Exons	1..104, 723..862, 1029..1108, 1309..1350		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		
Seq. No.	34233	Seq. ID	OJ990428_24.9819.C1
Gene No.	70805	Strand	-
Start	1	End	1350
Name	OJ990428_24.9819.C1.o1.gs	Method	GENSCAN
Start	23	End	1117
GI	none	Score	.83
Exons	23..104, 723..862, 1029..1117		
Seq. No.	34234	Seq. ID	OJ990428_24.9819.C2
Gene No.	70806	Strand	+
Start	2385	End	7303
Name	OJ990428_24.9819.C2.o1.gs	Method	GENSCAN
Start	2385	End	6630
GI	none	Score	.79
Exons	2385..3100, 4259..4286, 4799..5071, 5187..5250, 5391..5656, 5863..5917, 6518..6630		
Seq. No.	34234	Seq. ID	OJ990428_24.9819.C2
Gene No.	70806	Strand	+
Start	2385	End	7303
Name	OJ990428_24.9819.C2.o1.np	Method	AAT/NAP
Start	2394	End	7303
GI	4874311	Score	801
Exons	2394..3100, 4142..4286, 4799..5071, 5187..5354, 5483..5656, 5863..5957, 6456..6634, 7266..7303		
GI Descrip.	(AC006053) unknown protein [Arabidopsis thaliana]		
Seq. No.	34235	Seq. ID	OJ990428_24.9819.C3
Gene No.	70807	Strand	+
Start	1	End	1710
Name	OJ990428_24.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	1710
GI	4874311	Score	246
Exons	1..336, 1103..1228, 1596..1710		
GI Descrip.	(AC006053) unknown protein [Arabidopsis thaliana]		

Seq. No.	34236	Seq. ID	OJ990428_24.9819.C4
Gene No.	70808	Strand	-
Start	945	End	1152
Name	OJ990428_24.9819.C4.ol.gs	Method	GENSCAN
Start	945	End	1152
GI	none	Score	.9
Exons	945..1152		

Seq. No.	34237	Seq. ID	OJ990428_24.9819.C5
Gene No.	70809	Strand	+
Start	1	End	7935
Name	OJ990428_24.9819.C5.ol.np	Method	AAT/NAP
Start	1	End	7932
GI	4874311	Score	2534
Exons	1..172, 717..867, 950..1311, 2292..2734, 2809..3111, 3205..3429, 4050..4127, 4215..4577, 5029..5511, 6511..6672, 6748..7077, 7164..7246, 7825..7932		
GI Descrip.	(AC006053) unknown protein [Arabidopsis thaliana]		

Seq. No.	34237	Seq. ID	OJ990428_24.9819.C5
Gene No.	70809	Strand	+
Start	1	End	7935
Name	OJ990428_24.9819.C5.ol.gs	Method	GENSCAN
Start	66	End	7929
GI	none	Score	.9
Exons	66..172, 717..897, 950..1311, 2292..2734, 2809..3111, 3205..3429, 3608..3698, 4050..4127, 4287..4577, 4664..4861, 5029..5317, 5441..5511, 6511..6672, 6748..7077, 7164..7264, 7825..7929		

Seq. No.	34237	Seq. ID	OJ990428_24.9819.C5
Gene No.	70809	Strand	+
Start	1	End	7935
Name	OJ990428_24.9819.C5.ol.tm	Method	TBLASTX:Maize
Start	4463	End	5094
GI	none	Score	130
Exons	4463..4579, 4463..4579, 4464..4580, 4467..4580, 4546..4584, 4663..4860, 4664..4735, 4680..4859, 4681..4860, 4796..4867, 5014..5091, 5028..5093, 5029..5094		

Seq. No.	34237	Seq. ID	OJ990428_24.9819.C5
Gene No.	70809	Strand	+
Start	1	End	7935
Name	OJ990428_24.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	5280	End	5512
GI	none	Score	142
Exons	5280..5510, 5282..5401, 5282..5512, 5289..5465, 5332..5511		

Seq. No.	34237	Seq. ID	OJ990428_24.9819.C5
Gene No.	70809	Strand	+
Start	1	End	7935
Name	OJ990428_24.9819.C5.ol.tc	Method	TBLASTX:Cress
Start	6991	End	7935
GI	none	Score	121
Exons	6991..7080, 6996..7076, 7149..7247, 7163..7246, 7823..7930, 7825..7935		

Seq. No.	34238	Seq. ID	OJ990428_24.9819.C6
Gene No.	70810	Strand	+
Start	1	End	5378
Name	OJ990428_24.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	5378
GI	4874311	Score	959
Exons	1..203, 954..1298, 1387..1513, 3043..3194, 3503..3591, 4019..4101, 4212..4391, 4864..4958, 5357..5378		
GI Descrip.	(AC006053) unknown protein [Arabidopsis thaliana]		

Seq. No.	34238	Seq. ID	OJ990428_24.9819.C6
Gene No.	70810	Strand	+
Start	1	End	5378
Name	OJ990428_24.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1133
GI	none	Score	138
Exons	2..91, 3..95, 134..202, 138..236, 951..1070, 953..1027, 1026..1133, 1058..1132		

Seq. No.	34238	Seq. ID	OJ990428_24.9819.C6
Gene No.	70810	Strand	+
Start	1	End	5378
Name	OJ990428_24.9819.C6.o1.gs	Method	GENSCAN
Start	51	End	4971
GI	none	Score	.64
Exons	51..203, 954..1298, 3051..3194, 3503..3591, 4019..4101, 4212..4327, 4864..4971		

Seq. No.	34238	Seq. ID	OJ990428_24.9819.C6
Gene No.	70810	Strand	+
Start	1	End	5378
Name	OJ990428_24.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	951	End	1222
GI	none	Score	395
Exons	951..1220, 954..1220, 956..1222		

Seq. No.	34238	Seq. ID	OJ990428_24.9819.C6
Gene No.	70810	Strand	+
Start	1	End	5378
Name	OJ990428_24.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	1135	End	1458
GI	none	Score	36
Exons	1135..1164, 1137..1163, 1170..1304, 1208..1303, 1234..1308, 1379..1435, 1380..1457, 1381..1458, 1383..1445		

Seq. No.	34238	Seq. ID	OJ990428_24.9819.C6
Gene No.	70810	Strand	+
Start	1	End	5378
Name	OJ990428_24.9819.C6.o1.gp	Method	AAT/GAP
Start	3100	End	4901
GI	LIB3431-019-P1-K1-E1	Score	715
Exons	3100..3194, 3503..3591, 4019..4101, 4212..4327, 4864..4901		
GI Descrip.	'4874311/gb AAD31373.1 AC006053_15 8.0e-43 (AC006053) unknown protein [Arabidopsis thaliana]'		

Seq. No.	34238	Seq. ID	OJ990428_24.9819.C6
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Gene No.	70810	Strand	+
Start	1	End	5378
Name	OJ990428_24.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	4083	End	4965
GI	none	Score	36
Exons	4083..4100, 4209..4328, 4210..4329, 4210..4332, 4211..4330, 4858..4965, 4864..4950, 4875..4955		

Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70811	Strand	+
Start	138	End	1011
Name	OJ990428_24.9819.C7.o1.np	Method	AAT/NAP
Start	138	End	1011
GI	4874311	Score	194
Exons	138..239, 949..1011		
GI Descrip.	(AC006053) unknown protein [Arabidopsis thaliana]		

Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70812	Strand	+
Start	12139	End	13397
Name	OJ990428_24.9819.C7.o2.gp	Method	AAT/GAP
Start	12139	End	13397
GI	uC-osflcyp125b09b1	Score	882
Exons	12139..12196, 12556..12612, 13028..13397		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70813	Strand	-
Start	1628	End	4399
Name	OJ990428_24.9819.C7.o1.gp	Method	AAT/GAP
Start	1000	End	1512
GI	2798781	Score	966
Exons	1000..1512		

Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70813	Strand	-
Start	1628	End	4399
Name	OJ990428_24.9819.C7.o1.gs	Method	GENSCAN
Start	1628	End	4399
GI	none	Score	.56
Exons	1628..1746, 2232..2580, 2737..2857, 4129..4264, 4303..4399		

Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70813	Strand	-
Start	1628	End	4399
Name	OJ990428_24.9819.C7.o2.np	Method	AAT/NAP
Start	2417	End	3037
GI	6520227	Score	277
Exons	2417..2548, 2655..3037		
GI Descrip.	(AB028230) ZCW7 [Arabidopsis thaliana]		

Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70814	Strand	-
Start	15454	End	18249
Name	OJ990428_24.9819.C7.o5.tm	Method	TBLASTX:Maize
Start	13032	End	13299

GI	none	Score	250
Exons	13032..13250, 13067..13252, 13225..13299, 13231..13299		
Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70814	Strand	-
Start	15454	End	18249
Name	OJ990428_24.9819.C7.o3.tm	Method	TBLASTX:Maize
Start	13316	End	13996
GI	none	Score	325
Exons	13316..13534, 13317..13604, 13332..13562, 13360..13590, 13659..13697, 13833..13883, 13836..13916, 13837..13887, 13838..13930, 13903..13989, 13904..13996		

Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70814	Strand	-
Start	15454	End	18249
Name	OJ990428_24.9819.C7.o6.tm	Method	TBLASTX:Maize
Start	13997	End	14313
GI	none	Score	162
Exons	13997..14113, 13998..14114, 13998..14114, 13999..14115, 14120..14176, 14127..14177, 14127..14168, 14128..14178, 14182..14208, 14182..14211, 14236..14313, 14254..14304		

Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70814	Strand	-
Start	15454	End	18249
Name	OJ990428_24.9819.C7.o3.np	Method	AAT/NAP
Start	15170	End	18249
GI	6466937	Score	852
Exons	15170..15266, 16435..18249		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70814	Strand	-
Start	15454	End	18249
Name	OJ990428_24.9819.C7.o3.gs	Method	GENSCAN
Start	15454	End	15935
GI	none	Score	.88
Exons	15454..15542, 15616..15732, 15857..15935		

Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70814	Strand	-
Start	15454	End	18249
Name	OJ990428_24.9819.C7.o4.gs	Method	GENSCAN
Start	16180	End	17774
GI	none	Score	.88
Exons	16180..16502, 17514..17571, 17716..17774		

Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70814	Strand	-
Start	15454	End	18249
Name	OJ990428_24.9819.C7.o4.tm	Method	TBLASTX:Maize
Start	16458	End	17008
GI	none	Score	70
Exons	16458..16760, 16776..16904, 16786..16869, 16907..17008		

Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70814	Strand	-
Start	15454	End	18249
Name	OJ990428_24.9819.C7.o2.tw	Method	TBLASTX:Wheat
Start	16650	End	16901
GI	none	Score	72
Exons	16650..16769, 16776..16901, 16777..16875		

Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70814	Strand	-
Start	15454	End	18249
Name	OJ990428_24.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	17051	End	17685
GI	none	Score	153
Exons	17051..17311, 17097..17312, 17138..17326, 17311..17685, 17312..17611		

Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70814	Strand	-
Start	15454	End	18249
Name	OJ990428_24.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	17051	End	17430
GI	none	Score	81
Exons	17051..17311, 17311..17430		

Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70814	Strand	-
Start	15454	End	18249
Name	OJ990428_24.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	17279	End	17661
GI	none	Score	226
Exons	17279..17311, 17311..17661		

Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70814	Strand	-
Start	15454	End	18249
Name	OJ990428_24.9819.C7.o3.tw	Method	TBLASTX:Wheat
Start	17521	End	17746
GI	none	Score	56
Exons	17521..17745, 17672..17746		

Seq. No.	34239	Seq. ID	OJ990428_24.9819.C7
Gene No.	70814	Strand	-
Start	15454	End	18249
Name	OJ990428_24.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	17937	End	18213
GI	none	Score	197
Exons	17937..18212, 17941..18213		

Seq. No.	34240	Seq. ID	OJ990428_24.9819.C8
Gene No.	70815	Strand	+
Start	568	End	677
Name	OJ990428_24.9819.C8.o1.gs	Method	GENSCAN
Start	568	End	677
GI	none	Score	.81
Exons	568..677		

Seq. No.	34240	Seq. ID	OJ990428_24.9819.C8
Gene No.	70816	Strand	-
Start	1	End	1689
Name	OJ990428_24.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	1689
GI	6466937	Score	168
Exons	1..392, 1660..1689		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	34240	Seq. ID	OJ990428_24.9819.C8
Gene No.	70816	Strand	-
Start	1	End	1689
Name	OJ990428_24.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	2	End	323
GI	none	Score	89
Exons	2..163, 4..168, 168..323, 176..313		

Seq. No.	34240	Seq. ID	OJ990428_24.9819.C8
Gene No.	70816	Strand	-
Start	1	End	1689
Name	OJ990428_24.9819.C8.o2.gs	Method	GENSCAN
Start	1128	End	1429
GI	none	Score	.67
Exons	1128..1148, 1289..1429		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70817	Strand	+
Start	6041	End	10687
Name	OJ990428_24.9819.C9.o2.gs	Method	GENSCAN
Start	6041	End	10428
GI	none	Score	.57
Exons	6041..6065, 6140..6265, 7055..7490, 8410..8532, 10398..10428		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70817	Strand	+
Start	6041	End	10687
Name	OJ990428_24.9819.C9.o3.gp	Method	AAT/GAP
Start	8418	End	10687
GI	LIB3433-053-P1-K1-B2	Score	957
Exons	8418..8636, 10398..10687		
GI Descrip.	'5902377/gb AAD55479.1 AC009322_19 9.0e-25 (AC009322) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70818	Strand	+
Start	14346	End	17621
Name	OJ990428_24.9819.C9.o3.gs	Method	GENSCAN
Start	14346	End	17612
GI	none	Score	.9
Exons	14346..14459, 14600..14981, 15078..15457, 15992..16057, 16149..16262, 16352..16468, 16570..16696, 16786..17612		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70818	Strand	+
Start	14346	End	17621
Name	OJ990428_24.9819.C9.o3.np	Method	AAT/NAP

Start	14666	End	17621
GI	2130944	Score	1324
Exons	14666..14981, 15078..15457, 15992..16057, 16149..16262, 16352..16468, 16570..16696, 16786..17140, 17168..17621		
GI Descrip.	(AB004060) sulfate transporter [Arabidopsis thaliana] gi 2262137 gb AAC78252.1 AAC78252 (AC002330) sulfate transporter protein [Arabidopsis thaliana]		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70819	Strand	+
Start	19283	End	24393
Name	OJ990428_24.9819.C9.o4.gs	Method	GENSCAN
Start	19283	End	24393
GI	none	Score	.52
Exons	19283..19308, 20724..20900, 21199..22479, 22577..23367, 23369..24393		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70819	Strand	+
Start	19283	End	24393
Name	OJ990428_24.9819.C9.o4.np	Method	AAT/NAP
Start	21218	End	24390
GI	6907089	Score	4285
Exons	21218..22479, 22577..24390		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70820	Strand	-
Start	2438	End	5883
Name	OJ990428_24.9819.C9.o1.np	Method	AAT/NAP
Start	2438	End	4832
GI	4454031	Score	712
Exons	2438..2673, 3229..3358, 4386..4832		
GI Descrip.	(AL035394) putative protein [Arabidopsis thaliana]		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70820	Strand	-
Start	2438	End	5883
Name	OJ990428_24.9819.C9.o1.gp	Method	AAT/GAP
Start	2489	End	2680
GI	2798134	Score	356
Exons	2489..2680		
GI Descrip.	4454031/emb CAA23028.1 3.0e-21 (AL035394) putative protein [Arabidopsis thaliana]		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70820	Strand	-
Start	2438	End	5883
Name	OJ990428_24.9819.C9.o1.gs	Method	GENSCAN
Start	2590	End	4850
GI	none	Score	.72
Exons	2590..2673, 3229..3358, 4386..4850		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70820	Strand	-
Start	2438	End	5883
Name	OJ990428_24.9819.C9.o2.np	Method	AAT/NAP

Start	2884	End	5883
GI	2129478	Score	152
Exons	2884..2902, 4684..4997, 5390..5474, 5806..5883		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi 488731 emb CAA55883 (X79301) chitinase [Beta vulgaris] gi 829258 emb CAA56946 (X81056) Chitinase [Beta vulgaris]		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70820	Strand	-
Start	2438	End	5883
Name	OJ990428_24.9819.C9.o2.gp	Method	AAT/GAP
Start	4176	End	4734
GI	LIB3433-049-P1-K1-A3	Score	549
Exons	4176..4199, 4384..4734		
GI Descrip.	'4454031/emb CAA23028.1 1.0e-47 (AL035394) putative protein [Arabidopsis thaliana]'		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	2367	End	4716
GI	none	Score	293
Exons	2367..2675, 2446..2676, 2452..2670, 2453..2674, 3227..3361, 3228..3359, 4383..4712, 4384..4716		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o2.tc	Method	TBLASTX:Cress
Start	4437	End	4707
GI	none	Score	178
Exons	4437..4700, 4525..4707		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o7.tm	Method	TBLASTX:Maize
Start	7263	End	8589
GI	none	Score	106
Exons	7263..7316, 7264..7320, 7267..7350, 7372..7461, 8403..8477, 8407..8490, 8408..8488, 8411..8503, 8486..8587, 8490..8519, 8491..8589, 8492..8587		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o4.tw	Method	TBLASTX:Wheat
Start	8451	End	10533
GI	none	Score	98
Exons	8451..8519, 8452..8619, 8452..8616, 8453..8620, 10390..10533, 10390..10533		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o1.ts	Method	TBLASTX:Soybean

Start	14822	End	15454
GI	none	Score	140
Exons	14822..14980, 14839..14979, 15088..15426, 15089..15454		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	14827	End	17588
GI	none	Score	155
Exons	14827..14979, 14828..14980, 15079..15441, 15080..15454, 15991..16047, 15992..16057, 16152..16265, 16160..16255, 16352..16468, 16558..16698, 16569..16697, 16775..17116, 16785..17141, 17214..17321, 17310..17588		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o6.tm	Method	TBLASTX:Maize
Start	15088	End	15412
GI	none	Score	253
Exons	15088..15177, 15089..15412, 15197..15376, 15226..15411		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o4.ts	Method	TBLASTX:Soybean
Start	15989	End	16453
GI	none	Score	79
Exons	15989..16063, 16152..16271, 16154..16252, 16352..16453, 16354..16452		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o7.tw	Method	TBLASTX:Wheat
Start	16152	End	16853
GI	none	Score	72
Exons	16152..16265, 16364..16468, 16378..16476, 16537..16698, 16569..16697, 16785..16853		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	16576	End	17384
GI	none	Score	157
Exons	16576..16701, 16578..16697, 16784..17134, 16785..17141, 17250..17384		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o2.ts	Method	TBLASTX:Soybean
Start	16654	End	17141
GI	none	Score	70
Exons	16654..16698, 16782..17141, 16784..17134		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o5.ts	Method	TBLASTX:Soybean
Start	17253	End	17588
GI	none	Score	90
Exons	17253..17330, 17325..17588		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o5.gs	Method	GENSCAN
Start	24606	End	28487
GI	none	Score	.43
Exons	24606..24632, 24697..24823, 25020..27573, 27581..28487		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o8.tm	Method	TBLASTX:Maize
Start	25019	End	25163
GI	none	Score	130
Exons	25019..25162, 25023..25163		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o5.np	Method	AAT/NAP
Start	25022	End	28726
GI	6498441	Score	4221
Exons	25022..25303, 25397..26794, 26966..27409, 27624..27903, 28078..28212, 28396..28726		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o6.tw	Method	TBLASTX:Wheat
Start	25031	End	25633
GI	none	Score	77
Exons	25031..25156, 25035..25157, 25323..25493, 25349..25633, 25350..25628		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o2.tw	Method	TBLASTX:Wheat
Start	25634	End	26015
GI	none	Score	231
Exons	25634..26014, 25665..26015		

Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726

Name	OJ990428_24.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	25809	End	26152
GI	none	Score	218
Exons	25809..25958, 25829..26152, 25842..26123		
Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o8.tw	Method	TBLASTX:Wheat
Start	26345	End	26657
GI	none	Score	68
Exons	26345..26605, 26481..26657		
Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o3.tw	Method	TBLASTX:Wheat
Start	26660	End	27094
GI	none	Score	88
Exons	26660..26809, 26661..26798, 26843..27094, 26853..27029		
Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o3.ts	Method	TBLASTX:Soybean
Start	27741	End	28142
GI	none	Score	83
Exons	27741..28142, 27952..28095		
Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	27771	End	28191
GI	none	Score	275
Exons	27771..28190, 27796..28191		
Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o4.tm	Method	TBLASTX:Maize
Start	27864	End	28248
GI	none	Score	215
Exons	27864..28247, 27883..28248		
Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o5.tm	Method	TBLASTX:Maize
Start	28275	End	28491
GI	none	Score	73
Exons	28275..28391, 28275..28490, 28285..28491		
Seq. No.	34241	Seq. ID	OJ990428_24.9819.C9
Gene No.	70821	Strand	-
Start	24606	End	28726
Name	OJ990428_24.9819.C9.o5.tw	Method	TBLASTX:Wheat

Start	28299	End	28490
GI	none	Score	153
Exons	28299..28490, 28300..28482, 28305..28490		

Seq. No.	34242	Seq. ID	OJ990428_24.9819.C10
Gene No.	70822	Strand	+
Start	506	End	722
Name	OJ990428_24.9819.C10.o1.np	Method	AAT/NAP
Start	506	End	722
GI	2498930	Score	58
Exons	506..574, 682..722		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	34242	Seq. ID	OJ990428_24.9819.C10
Gene No.	70822	Strand	+
Start	506	End	722
Name	OJ990428_24.9819.C10.o1.gs	Method	GENSCAN
Start	515	End	574
GI	none	Score	.94
Exons	515..574		

Seq. No.	34243	Seq. ID	OJ990428_24.9819.C11
Gene No.	70823	Strand	+
Start	357	End	2063
Name	OJ990428_24.9819.C11.o1.gs	Method	GENSCAN
Start	357	End	2063
GI	none	Score	.69
Exons	357..471, 1915..2063		

Seq. No.	34243	Seq. ID	OJ990428_24.9819.C11
Gene No.	70824	Strand	+
Start	4944	End	5626
Name	OJ990428_24.9819.C11.o4.gs	Method	GENSCAN
Start	4944	End	5626
GI	none	Score	.75
Exons	4944..5202, 5406..5626		

Seq. No.	34243	Seq. ID	OJ990428_24.9819.C11
Gene No.	70825	Strand	+
Start	11122	End	12355
Name	OJ990428_24.9819.C11.o6.gs	Method	GENSCAN
Start	11122	End	12355
GI	none	Score	.93
Exons	11122..11206, 11453..11566, 11860..12059, 12083..12355		

Seq. No.	34243	Seq. ID	OJ990428_24.9819.C11
Gene No.	70826	Strand	+
Start	13737	End	13925
Name	OJ990428_24.9819.C11.o7.gs	Method	GENSCAN
Start	13737	End	13925
GI	none	Score	.95
Exons	13737..13925		

Seq. No.	34243	Seq. ID	OJ990428_24.9819.C11
Gene No.	70827	Strand	-
Start	2136	End	3591

Name	OJ990428_24.9819.C11.o1.np	Method	AAT/NAP
Start	2136	End	3127
GI	5902362	Score	101
Exons	2136..2243, 2937..3127		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana] gi 6453856 gb AAF09040.1 AC011717_7 (AC011717) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34243	Seq. ID	OJ990428_24.9819.C11
Gene No.	70827	Strand	-
Start	2136	End	3591
Name	OJ990428_24.9819.C11.o2.gs	Method	GENSCAN
Start	2851	End	3591
GI	none	Score	.96
Exons	2851..3591		

Seq. No.	34243	Seq. ID	OJ990428_24.9819.C11
Gene No.	70828	Strand	-
Start	4124	End	4480
Name	OJ990428_24.9819.C11.o3.gs	Method	GENSCAN
Start	4124	End	4480
GI	none	Score	.58
Exons	4124..4417, 4466..4480		

Seq. No.	34243	Seq. ID	OJ990428_24.9819.C11
Gene No.	70829	Strand	-
Start	5372	End	5617
Name	OJ990428_24.9819.C11.o2.np	Method	AAT/NAP
Start	5372	End	5617
GI	3513744	Score	131
Exons	5372..5617		
GI Descrip.	(AF080118) contains similarity to Medicago truncatula MtN3 (GB:Y08726) [Arabidopsis thaliana]		

Seq. No.	34243	Seq. ID	OJ990428_24.9819.C11
Gene No.	70830	Strand	-
Start	6254	End	9586
Name	OJ990428_24.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	5348	End	5600
GI	none	Score	138
Exons	5348..5596, 5352..5600		

Seq. No.	34243	Seq. ID	OJ990428_24.9819.C11
Gene No.	70830	Strand	-
Start	6254	End	9586
Name	OJ990428_24.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	5351	End	5599
GI	none	Score	110
Exons	5351..5479, 5376..5480, 5458..5556, 5459..5599, 5477..5596		

Seq. No.	34243	Seq. ID	OJ990428_24.9819.C11
Gene No.	70830	Strand	-
Start	6254	End	9586
Name	OJ990428_24.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	5351	End	5597
GI	none	Score	123
Exons	5351..5596, 5376..5597		

Seq. No.	34243	Seq. ID	OJ990428_24.9819.C11
Gene No.	70830	Strand	-
Start	6254	End	9586
Name	OJ990428_24.9819.C11.o5.gs	Method	GENSCAN
Start	6254	End	9586
GI	none	Score	.65
Exons	6254..6398, 8083..8315, 8927..9121, 9563..9586		

Seq. No.	34244	Seq. ID	OJ990428_24.9819.C12
Gene No.	70831	Strand	-
Start	140	End	1213
Name	OJ990428_24.9819.C12.o1.gs	Method	GENSCAN
Start	140	End	1213
GI	none	Score	.85
Exons	140..299, 1127..1213		

Seq. No.	34245	Seq. ID	OJ990428_24.9819.C13
Gene No.	70832	Strand	-
Start	150	End	1838
Name	OJ990428_24.9819.C13.o1.gs	Method	GENSCAN
Start	150	End	1838
GI	none	Score	.64
Exons	150..335, 380..688, 886..972, 1264..1389, 1458..1838		

Seq. No.	34246	Seq. ID	OJ990428_24.9819.C14
Gene No.	70833	Strand	-
Start	106	End	291
Name	OJ990428_24.9819.C14.o1.gs	Method	GENSCAN
Start	106	End	291
GI	none	Score	.58
Exons	106..291		

Seq. No.	34247	Seq. ID	OJ990428_24.9819.C15
Gene No.	70834	Strand	-
Start	1	End	2579
Name	OJ990428_24.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	2579
GI	5902361	Score	330
Exons	1..55, 415..541, 1169..1237, 1560..1646, 2181..2249, 2329..2408, 2494..2579		

GI Descrip. (AC009322) Hypothetical protein [Arabidopsis thaliana]

Seq. No.	34248	Seq. ID	OJ990428_24.9819.C16
Gene No.	70835	Strand	-
Start	595	End	2458
Name	OJ990428_24.9819.C16.o1.gs	Method	GENSCAN
Start	595	End	2332
GI	none	Score	.91
Exons	595..646, 1181..1305, 1509..1685, 1822..1984, 2182..2332		

Seq. No.	34248	Seq. ID	OJ990428_24.9819.C16
Gene No.	70835	Strand	-
Start	595	End	2458
Name	OJ990428_24.9819.C16.o1.np	Method	AAT/NAP
Start	1166	End	2458
GI	5902361	Score	385

Exons 1166..1273, 1495..1685, 1822..1984, 2182..2458
GI Descrip. (AC009322) Hypothetical protein [Arabidopsis thaliana]

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70836	Strand	+
Start	18928	End	19914
Name	OJ990428_25.9819.C1.o6.gs	Method	GENSCAN
Start	18928	End	19914
GI	none	Score	.95
Exons	18928..19914		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70837	Strand	+
Start	21771	End	24612
Name	OJ990428_25.9819.C1.o7.gs	Method	GENSCAN
Start	21771	End	24591
GI	none	Score	.8
Exons	21771..22007, 22193..22309, 22799..22935, 23418..23562, 23911..24591		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70837	Strand	+
Start	21771	End	24612
Name	OJ990428_25.9819.C1.o2.np	Method	AAT/NAP
Start	22824	End	24612
GI	2245029	Score	1155
Exons	22824..22935, 23418..23627, 23680..23770, 23877..24612		
GI Descrip.	(Z97341) limonene cyclase like protein [Arabidopsis thaliana]		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70838	Strand	+
Start	31695	End	36596
Name	OJ990428_25.9819.C1.o9.gs	Method	GENSCAN
Start	31695	End	36452
GI	none	Score	.76
Exons	31695..31844, 32006..32068, 32165..32475, 32620..32716, 32967..33026, 33115..33219, 33839..33952, 34241..34282, 34664..34851, 35598..35881, 35965..36012, 36361..36452		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70838	Strand	+
Start	31695	End	36596
Name	OJ990428_25.9819.C1.o4.np	Method	AAT/NAP
Start	35974	End	36596
GI	6017097	Score	129
Exons	35974..36086, 36214..36256, 36361..36596		
GI Descrip.	(AC009895) hypothetical protein [Arabidopsis thaliana] gi 6091766 gb AAF03476.1 AC009327_15 (AC009327) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70839	Strand	-
Start	1523	End	5934
Name	OJ990428_25.9819.C1.o1.np	Method	AAT/NAP
Start	1523	End	5934
GI	2781357	Score	858
Exons	1523..1787, 2339..2794, 4747..4962, 5139..5276, 5842..5934		

GI Descrip. (AC003113) F2401.13 [Arabidopsis thaliana]

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	1175	End	2632
GI	none	Score	55
Exons	1175..1294, 1186..1293, 1305..1442, 1372..1413, 1447..1524, 1493..1525, 1533..1556, 1533..1556, 1537..1557, 1617..1793, 1618..1788, 1625..1792, 2297..2320, 2305..2631, 2319..2630, 2339..2632, 2339..2632		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	1641	End	4965
GI	none	Score	105
Exons	1641..1790, 2318..2494, 2339..2803, 2349..2663, 2712..2795, 4750..4866, 4840..4965		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o4.tw	Method	TBLASTX:Wheat
Start	1668	End	2758
GI	none	Score	45
Exons	1668..1781, 2406..2441, 2408..2509, 2475..2519, 2525..2758, 2526..2750		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o2.tc	Method	TBLASTX:Cress
Start	2384	End	2786
GI	none	Score	135
Exons	2384..2785, 2387..2659, 2388..2786		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o5.tm	Method	TBLASTX:Maize
Start	4879	End	5071
GI	none	Score	206
Exons	4879..5070, 4886..5071		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o6.ts	Method	TBLASTX:Soybean
Start	18922	End	19152
GI	none	Score	277
Exons	18922..19152, 18981..19151		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-

Start 25362
 Name OJ990428_25.9819.C1.o4.tm
 Start 18937
 GI none
 Exons 18937..19158, 18981..19157

End 29568
 Method TBLASTX:Maize
 End 19158
 Score 304

Seq. No. 34249
 Gene No. 70840
 Start 25362
 Name OJ990428_25.9819.C1.o3.ts
 Start 19212
 GI none
 Exons 19212..19457, 19234..19605

Seq. ID OJ990428_25.9819.C1
 Strand -
 End 29568
 Method TBLASTX:Soybean
 End 19605
 Score 379

Seq. No. 34249
 Gene No. 70840
 Start 25362
 Name OJ990428_25.9819.C1.o5.ts
 Start 23416
 GI none
 Exons 23416..23766, 23448..23606, 23703..23765, 23911..23991, 24064..24183

Seq. ID OJ990428_25.9819.C1
 Strand -
 End 29568
 Method TBLASTX:Soybean
 End 24183
 Score 312

Seq. No. 34249
 Gene No. 70840
 Start 25362
 Name OJ990428_25.9819.C1.o3.tc
 Start 23443
 GI none
 Exons 23443..23766, 23448..23645, 23454..23774, 23676..23765

Seq. ID OJ990428_25.9819.C1
 Strand -
 End 29568
 Method TBLASTX:Cress
 End 23774
 Score 373

Seq. No. 34249
 Gene No. 70840
 Start 25362
 Name OJ990428_25.9819.C1.o6.tm
 Start 23602
 GI none
 Exons 23602..23658, 23653..23766, 23656..23766, 23658..23768, 23876..24088, 23910..24095, 23911..24093, 23994..24095

Seq. ID OJ990428_25.9819.C1
 Strand -
 End 29568
 Method TBLASTX:Maize
 End 24095
 Score 73

Seq. No. 34249
 Gene No. 70840
 Start 25362
 Name OJ990428_25.9819.C1.o3.tw
 Start 24064
 GI none
 Exons 24064..24210, 24069..24197, 24205..24312, 24252..24302, 24292..24480, 24294..24467

Seq. ID OJ990428_25.9819.C1
 Strand -
 End 29568
 Method TBLASTX:Wheat
 End 24480
 Score 132

Seq. No. 34249
 Gene No. 70840
 Start 25362
 Name OJ990428_25.9819.C1.o1.tc
 Start 24220
 GI none
 Exons 24220..24585, 24220..24561, 24249..24569

Seq. ID OJ990428_25.9819.C1
 Strand -
 End 29568
 Method TBLASTX:Cress
 End 24585
 Score 470

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o8.tm	Method	TBLASTX:Maize
Start	24223	End	24468
GI	none	Score	221
Exons	24223..24468, 24252..24467		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o2.ts	Method	TBLASTX:Soybean
Start	24250	End	24570
GI	none	Score	275
Exons	24250..24426, 24255..24476, 24256..24483, 24478..24570, 24483..24569		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o3.gp	Method	AAT/GAP
Start	25362	End	26157
GI	none	Score	1031
Exons	25362..25863, 26080..26157		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	25564	End	29370
GI	none	Score	48
Exons	25564..25626, 25575..25625, 25707..25853, 25708..25866, 25708..25866, 26606..26686, 26606..26686, 26863..26949, 26876..26947, 27013..27168, 27020..27169, 27241..27372, 27242..27373, 27242..27373, 27655..27939, 27657..27959, 27668..27943, 27975..28190, 27977..28387, 28127..28387, 28260..28388, 28501..28587, 28502..28588, 28669..28776, 28670..28777, 28671..28778, 28672..28782, 28849..28920, 28850..28921, 28851..28919, 29037..29156, 29038..29151, 29250..29351, 29260..29370		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o8.gs	Method	GENSCAN
Start	25656	End	29498
GI	none	Score	.9
Exons	25656..25766, 26606..26698, 26872..26946, 27016..27167, 27243..27363, 27663..28389, 28671..28777, 29037..29153, 29253..29498		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o3.np	Method	AAT/NAP
Start	26998	End	29325
GI	5668762	Score	752

Exons 26998..27167, 27243..27371, 27674..28321, 28478..28585,
28671..28777, 28853..28918, 29037..29153, 29253..29325
GI Descrip. (AC005916) EST gb|N65787 comes from this gene. [Arabidopsis
thaliana]

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o8.ts	Method	TBLASTX:Soybean
Start	27031	End	28593
GI	none	Score	98
Exons	27031..27096, 27032..27097, 27085..27168, 27095..27172, 27241..27333, 27645..27719, 27657..27902, 27661..27753, 27818..27856, 27870..28025, 27883..27927, 27915..28301, 28501..28593, 28502..28588		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o2.tw	Method	TBLASTX:Wheat
Start	27049	End	27744
GI	none	Score	201
Exons	27049..27168, 27053..27169, 27241..27372, 27242..27382, 27242..27373, 27654..27743, 27655..27744, 27657..27743, 27664..27744		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o4.gp	Method	AAT/GAP
Start	27243	End	28536
GI	32619_1.R1084	Score	1653
Exons	27243..27363, 27663..28385, 28504..28536		
GI Descrip.	'5668762/gb AAD45989.1 AC005916_1 3.0e-27 (AC005916) EST gb_N65787 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	27771	End	28166
GI	none	Score	338
Exons	27771..28160, 27771..28166		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o4.ts	Method	TBLASTX:Soybean
Start	28674	End	29327
GI	none	Score	97
Exons	28674..28778, 28676..28777, 28760..28783, 28850..28918, 28878..28922, 29037..29156, 29253..29327		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70840	Strand	-
Start	25362	End	29568
Name	OJ990428_25.9819.C1.o5.gp	Method	AAT/GAP

Start	28849	End	29568
GI	53241.1.R1084	Score	903
Exons	28849..28918, 29037..29153, 29253..29568		
GI Descrip.	'5668762/gb AAD45989.1 AC005916_1 3.0e-22 (AC005916) EST gb_N65787 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70841	Strand	
Start	32819	End	33955
Name	OJ990428_25.9819.C1.o7.tm	Method	TBLASTX:Maize
Start	32819	End	33955
GI	none	Score	83
Exons	32819..32875, 32820..32876, 32955..33026, 32975..33025, 33105..33227, 33113..33229, 33115..33219, 33850..33906, 33851..33910, 33913..33945, 33917..33955		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70842	Strand	
Start	34467	End	36452
Name	OJ990428_25.9819.C1.o7.ts	Method	TBLASTX:Soybean
Start	34467	End	36452
GI	none	Score	71
Exons	34467..34526, 35629..35880, 35964..36086, 35964..36086, 35978..36091, 36359..36445, 36360..36452		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70842	Strand	
Start	34467	End	36452
Name	OJ990428_25.9819.C1.o3.tm	Method	TBLASTX:Maize
Start	35682	End	36404
GI	none	Score	169
Exons	35682..35873, 35683..35880, 35683..35898, 35929..36084, 35961..36086, 35964..36086, 36005..36094, 36191..36256, 36211..36258, 36213..36257, 36357..36404, 36360..36404		

Seq. No.	34249	Seq. ID	OJ990428_25.9819.C1
Gene No.	70842	Strand	
Start	34467	End	36452
Name	OJ990428_25.9819.C1.o5.tw	Method	TBLASTX:Wheat
Start	35964	End	36452
GI	none	Score	135
Exons	35964..36086, 36005..36082, 36194..36283, 36199..36273, 36359..36442, 36360..36452		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70843	Strand	+
Start	4058	End	23605
Name	OJ990428_25.9819.C2.o1.hp	Method	AAT/NAP
Start	4058	End	23605
GI	5295951	Score	200
Exons	4058..4289, 23560..23605		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70843	Strand	+
Start	4058	End	23605

Name	OJ990428_25.9819.C2.o4.gs	Method	GENSCAN
Start	9557	End	15883
GI	none	Score	.7
Exons	9557..9715, 9819..9985, 10601..10696, 11215..11323, 12302..12339, 12493..12561, 13195..13359, 13436..13655, 14527..14727, 14837..14907, 14980..15138, 15760..15883		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70843	Strand	+
Start	4058	End	23605
Name	OJ990428_25.9819.C2.o3.np	Method	AAT/NAP
Start	12796	End	18182
GI	6573707	Score	1943
Exons	12796..12937, 13200..13359, 13436..13655, 14527..14727, 14837..14907, 14977..15138, 17086..17679, 17789..18182		
GI Descrip.	(AC009978) T23E18.7 [Arabidopsis thaliana]		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70843	Strand	+
Start	4058	End	23605
Name	OJ990428_25.9819.C2.o2.gp	Method	AAT/GAP
Start	14859	End	17428
GI	24405.1.R1084	Score	996
Exons	14859..14907, 14980..15138, 17086..17428		
GI Descrip.	'5689035/dbj BAA83071.1 9.0e-40 (AB022053) prolyl oligopeptidase [Mus musculus]'		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70843	Strand	+
Start	4058	End	23605
Name	OJ990428_25.9819.C2.o5.gs	Method	GENSCAN
Start	17194	End	20836
GI	none	Score	.52
Exons	17194..17679, 17789..18169, 18493..18568, 18656..18719, 19254..19389, 20586..20699, 20771..20836		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70843	Strand	+
Start	4058	End	23605
Name	OJ990428_25.9819.C2.o3.gp	Method	AAT/GAP
Start	17946	End	20874
GI	16225.1.R1084	Score	1305
Exons	17946..18169, 18493..18568, 18656..18719, 19254..19389, 20586..20699, 20771..20874		
GI Descrip.	'5689035/dbj BAA83071.1 1.0e-82 (AB022053) prolyl oligopeptidase [Mus musculus]'		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70843	Strand	+
Start	4058	End	23605
Name	OJ990428_25.9819.C2.o4.np	Method	AAT/NAP
Start	18535	End	20833
GI	6573708	Score	519
Exons	18535..18568, 18656..18719, 19254..19389, 20586..20699, 20771..20833		
GI Descrip.	(AC009978) T23E18.8 [Arabidopsis thaliana]		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70844	Strand	-
Start	5304	End	11745
Name	OJ990428_25.9819.C2.o2.gs	Method	GENSCAN
Start	5304	End	7016
GI	none	Score	.62
Exons	5304..5535, 7009..7016		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70844	Strand	-
Start	5304	End	11745
Name	OJ990428_25.9819.C2.o2.np	Method	AAT/NAP
Start	5722	End	11745
GI	5295951	Score	48
Exons	5722..5766, 9546..9798, 9932..9954, 11675..11745		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70844	Strand	-
Start	5304	End	11745
Name	OJ990428_25.9819.C2.o3.gs	Method	GENSCAN
Start	8217	End	9093
GI	none	Score	.78
Exons	8217..8735, 8788..9093		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70845	Strand	-
Start	22503	End	23093
Name	OJ990428_25.9819.C2.o4.tm	Method	TBLASTX:Maize
Start	538	End	837
GI	none	Score	103
Exons	538..612, 543..611, 691..831, 711..830, 712..837		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70845	Strand	-
Start	22503	End	23093
Name	OJ990428_25.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	13146	End	15100
GI	none	Score	36
Exons	13146..13247, 13246..13320, 13247..13318, 13270..13368, 13271..13360, 13431..13652, 13434..13652, 13435..13653, 13435..13656, 14531..14734, 14532..14729, 14533..14745, 14827..14904, 14836..14904, 14837..14908, 14947..15099, 14950..15099, 14969..15100		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70845	Strand	-
Start	22503	End	23093
Name	OJ990428_25.9819.C2.o3.ts	Method	TBLASTX:Soybean
Start	13235	End	14568
GI	none	Score	121
Exons	13235..13360, 13431..13475, 13464..13613, 13554..13670, 13587..13655, 14515..14568		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70845	Strand	-

Start	22503	End	23093
Name	OJ990428_25.9819.C2.o2.tc	Method	TBLASTX:Cress
Start	13241	End	14908
GI	none	Score	127
Exons	13241..13360, 13295..13360, 13431..13655, 13431..13670, 14515..14730, 14526..14732, 14836..14904, 14837..14908		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70845	Strand	-
Start	22503	End	23093
Name	OJ990428_25.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	15020	End	17400
GI	none	Score	124
Exons	15020..15106, 15097..15177, 17041..17400, 17043..17399		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70845	Strand	-
Start	22503	End	23093
Name	OJ990428_25.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	15105	End	17484
GI	none	Score	71
Exons	15105..15179, 15106..15177, 17029..17397, 17044..17397, 17399..17482, 17399..17473, 17400..17474, 17401..17484		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70845	Strand	-
Start	22503	End	23093
Name	OJ990428_25.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	17152	End	18142
GI	none	Score	606
Exons	17152..17682, 17163..17654, 17170..17679, 17774..18142, 17784..18140, 17800..18141		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70845	Strand	-
Start	22503	End	23093
Name	OJ990428_25.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	17529	End	20872
GI	none	Score	231
Exons	17529..17702, 17530..17682, 17757..17882, 17774..18169, 17791..18168, 18114..18212, 18488..18568, 18490..18570, 18495..18569, 18646..18723, 18654..18722, 18655..18732, 18657..18728, 19230..19388, 19252..19389, 19255..19389, 20577..20702, 20585..20698, 20589..20711, 20770..20871, 20771..20872		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70845	Strand	-
Start	22503	End	23093
Name	OJ990428_25.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	17770	End	18146
GI	none	Score	482
Exons	17770..18141, 17774..18145, 17774..18145, 17976..18146		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70845	Strand	-
Start	22503	End	23093

Name	OJ990428_25.9819.C2.o4.ts	Method	TBLASTX:Soybean
Start	18669	End	20692
GI	none	Score	99
Exons	18669..18722, 18670..18723, 19230..19388, 19252..19389, 20577..20636, 20585..20692, 20636..20662, 20658..20687		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70845	Strand	-
Start	22503	End	23093
Name	OJ990428_25.9819.C2.o3.tc	Method	TBLASTX:Cress
Start	19327	End	20836
GI	none	Score	105
Exons	19327..19389, 19327..19383, 20577..20702, 20585..20698, 20589..20702, 20766..20834, 20770..20835, 20771..20836		

Seq. No.	34250	Seq. ID	OJ990428_25.9819.C2
Gene No.	70845	Strand	-
Start	22503	End	23093
Name	OJ990428_25.9819.C2.o6.gs	Method	GENSCAN
Start	22503	End	23093
GI	none	Score	.75
Exons	22503..22656, 22730..22784, 22976..23093		

Seq. No.	34251	Seq. ID	OJ990428_25.9819.C3
Gene No.	70846	Strand	+
Start	4559	End	4843
Name	OJ990428_25.9819.C3.o1.gp	Method	AAT/GAP
Start	4559	End	4843
GI	701667	Score	540
Exons	4559..4843		

Seq. No.	34251	Seq. ID	OJ990428_25.9819.C3
Gene No.	70847	Strand	+
Start	5559	End	5640
Name	OJ990428_25.9819.C3.o2.gp	Method	AAT/GAP
Start	5559	End	5640
GI	LIB3477-003-P1-K1-E9	Score	83
Exons	5559..5640		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I)>gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	34251	Seq. ID	OJ990428_25.9819.C3
Gene No.	70848	Strand	+
Start	5970	End	6411
Name	OJ990428_25.9819.C3.o3.gp	Method	AAT/GAP
Start	5970	End	6411
GI	6024989	Score	445
Exons	5970..6151, 6325..6411		

Seq. No.	34251	Seq. ID	OJ990428_25.9819.C3
Gene No.	70849	Strand	+
Start	9454	End	10374
Name	OJ990428_25.9819.C3.o2.gs	Method	GENSCAN
Start	9454	End	10374
GI	none	Score	.82
Exons	9454..10374		

Seq. No.	34251	Seq. ID	OJ990428_25.9819.C3
Gene No.	70850	Strand	-
Start	4556	End	6503
Name	OJ990428_25.9819.C3.o1.np	Method	AAT/NAP
Start	4556	End	6503
GI	862343	Score	76
Exons	4556..4612, 5593..5722, 6436..6503		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi 1092097 prf 2022314A granule cell marker protein [Mus musculus] gi 1092098 prf 2022315A granule cell marker protein [Mus musculus]		

Seq. No.	34251	Seq. ID	OJ990428_25.9819.C3
Gene No.	70851	Strand	-
Start	14052	End	14239
Name	OJ990428_25.9819.C3.o3.gs	Method	GENSCAN
Start	14052	End	14239
GI	none	Score	.88
Exons	14052..14239		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70852	Strand	+
Start	1394	End	7040
Name	OJ990428_25.9819.C4.o1.np	Method	AAT/NAP
Start	1394	End	7040
GI	6498441	Score	6797
Exons	1394..2457, 2788..3251, 3315..3688, 3872..4006, 4181..4494, 4687..5096, 5268..6665, 6759..7040		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70853	Strand	+
Start	12082	End	15330
Name	OJ990428_25.9819.C4.o3.gs	Method	GENSCAN
Start	12082	End	15330
GI	none	Score	.7
Exons	12082..12159, 12486..12566, 13032..13424, 14920..15330		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70854	Strand	+
Start	18518	End	19409
Name	OJ990428_25.9819.C4.o3.gp	Method	AAT/GAP
Start	18518	End	18901
GI	3760050	Score	525
Exons	18518..18620, 18708..18901		
GI Descrip.	4056461 1.0e-08 (AC005990) F508.34 [Arabidopsis thaliana]		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70854	Strand	+
Start	18518	End	19409
Name	OJ990428_25.9819.C4.o4.gp	Method	AAT/GAP
Start	18554	End	18939
GI	3760050	Score	489
Exons	18554..18620, 18708..18939		

GI Descrip. 4056461 1.0e-08 (AC005990) F508.34 [Arabidopsis thaliana]

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70854	Strand	+
Start	18518	End	19409
Name	OJ990428_25.9819.C4.o4.np	Method	AAT/NAP
Start	18723	End	19409
GI	4056461	Score	456
Exons	18723..19409		
GI Descrip.	(AC005990) F508.34 [Arabidopsis thaliana]		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70855	Strand	-
Start	245	End	653
Name	OJ990428_25.9819.C4.o1.gp	Method	AAT/GAP
Start	245	End	653
GI	50987_1.R1084	Score	703
Exons	245..653		
GI Descrip.	'4056461 1.0e-08 (AC005990) F508.34 [Arabidopsis thaliana]'		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o6.tw	Method	TBLASTX:Wheat
Start	1542	End	1934
GI	none	Score	58
Exons	1542..1589, 1596..1694, 1613..1693, 1661..1900, 1677..1934		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	1547	End	1832
GI	none	Score	193
Exons	1547..1831, 1584..1832		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o3.tw	Method	TBLASTX:Wheat
Start	2672	End	3158
GI	none	Score	405
Exons	2672..2845, 2673..3158, 2867..3154		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	3323	End	3785
GI	none	Score	587
Exons	3323..3784, 3324..3785		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o4.ts	Method	TBLASTX:Soybean
Start	3363	End	3728

GI	none	Score	117
Exons	3363..3587, 3594..3728		
Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	3453	End	3809
GI	none	Score	394
Exons	3453..3809, 3488..3799, 3504..3809		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	3836	End	4220
GI	none	Score	356
Exons	3836..4201, 3837..4220		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	3893	End	4318
GI	none	Score	483
Exons	3893..4318, 3894..4313		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	3972	End	4343
GI	none	Score	275
Exons	3972..4343, 3989..4132		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o5.tw	Method	TBLASTX:Wheat
Start	4944	End	5402
GI	none	Score	235
Exons	4944..5192, 4968..5192, 5030..5206, 5262..5402, 5264..5401		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o3.ts	Method	TBLASTX:Soybean
Start	5091	End	5657
GI	5666795	Score	68
Exons	5091..5189, 5265..5402, 5457..5657		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o8.tw	Method	TBLASTX:Wheat
Start	5405	End	5717

GI	none	Score	191
Exons	5405..5716, 5457..5717		
Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	5910	End	6233
GI	none	Score	362
Exons	5910..6233, 5939..6220		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o4.tw	Method	TBLASTX:Wheat
Start	6047	End	6428
GI	none	Score	375
Exons	6047..6103, 6048..6428, 6149..6397		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o7.tw	Method	TBLASTX:Wheat
Start	6429	End	7031
GI	none	Score	265
Exons	6429..6713, 6430..6720, 6434..6712, 6569..6739, 6905..7027, 6906..7031		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o5.tm	Method	TBLASTX:Maize
Start	6900	End	7043
GI	none	Score	184
Exons	6900..7043, 6905..7039		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o2.gs	Method	GENSCAN
Start	7682	End	10918
GI	none	Score	.94
Exons	7682..10918		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o2.np	Method	AAT/NAP
Start	7685	End	10918
GI	6907089	Score	4151
Exons	7685..9563, 9657..10918		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o3.np	Method	AAT/NAP

Start	10141	End	12599
GI	5922623	Score	361
Exons	10141..10177, 11753..11828, 11995..12142, 12519..12599		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70856	Strand	-
Start	7682	End	12599
Name	OJ990428_25.9819.C4.o2.gp	Method	AAT/GAP
Start	12033	End	12441
GI	50987_1.R1084	Score	703
Exons	12033..12441		
GI Descrip.	'4056461 1.0e-08 (AC005990) F508.34 [Arabidopsis thaliana]'		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70857	Strand	
Start	18723	End	19067
Name	OJ990428_25.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	18723	End	19067
GI	none	Score	41
Exons	18723..18770, 18786..18842, 18882..19067, 18890..19066		

Seq. No.	34252	Seq. ID	OJ990428_25.9819.C4
Gene No.	70857	Strand	
Start	18723	End	19067
Name	OJ990428_25.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	18723	End	18992
GI	none	Score	60
Exons	18723..18779, 18786..18884, 18788..18841, 18881..18982, 18882..18992		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70858	Strand	+
Start	1	End	1077
Name	OJ990428_25.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	1074
GI	3176683	Score	282
Exons	1..77, 172..263, 411..540, 583..1074		
GI Descrip.	(AC003671) F1707.12 [Arabidopsis thaliana]		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70858	Strand	+
Start	1	End	1077
Name	OJ990428_25.9819.C5.o1.gs	Method	GENSCAN
Start	178	End	1077
GI	none	Score	.94
Exons	178..263, 411..1077		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70859	Strand	+
Start	10338	End	12369
Name	OJ990428_25.9819.C5.o5.np	Method	AAT/NAP
Start	10293	End	12369
GI	6006372	Score	112
Exons	10293..10314, 10708..10906, 12067..12369		

GI Descrip. (AP000559) hypothetical protein [Oryza sativa]

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70859	Strand	+
Start	10338	End	12369
Name	OJ990428_25.9819.C5.o3.gs	Method	GENSCAN
Start	10338	End	11513
GI	none	Score	.69
Exons	10338..10604, 10708..10906, 10989..11167, 11236..11359, 11413..11513		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70859	Strand	+
Start	10338	End	12369
Name	OJ990428_25.9819.C5.o4.gs	Method	GENSCAN
Start	11837	End	12067
GI	none	Score	.95
Exons	11837..12067		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70860	Strand	+
Start	13771	End	16376
Name	OJ990428_25.9819.C5.o5.gs	Method	GENSCAN
Start	13771	End	16376
GI	none	Score	.55
Exons	13771..13923, 15445..15482, 15577..15599, 16195..16376		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70861	Strand	-
Start	3126	End	8191
Name	OJ990428_25.9819.C5.o2.np	Method	AAT/NAP
Start	2798	End	6951
GI	4234852	Score	4206
Exons	2798..6951		

GI Descrip. (AF082133) gag-pol polyprotein [Zea mays]

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70861	Strand	-
Start	3126	End	8191
Name	OJ990428_25.9819.C5.o2.gs	Method	GENSCAN
Start	3126	End	8191
GI	none	Score	.63
Exons	3126..3189, 3216..3363, 3785..5981, 6298..6965, 7844..8056, 8071..8191		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o4.tm	Method	TBLASTX:Maize
Start	45	End	672
GI	none	Score	53
Exons	45..77, 169..264, 210..266, 220..264, 395..442, 395..442, 408..518, 409..522, 514..567, 519..599, 520..633, 522..566, 562..603, 612..671, 622..672		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-

Start	10818	End	12242
Name	OJ990428_25.9819.C5.o5.tm	Method	TBLASTX:Maize
Start	2837	End	3421
GI	none	Score	55
Exons	2837..3028, 3089..3328, 3117..3179, 3210..3329, 3329..3421		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o3.tw	Method	TBLASTX:Wheat
Start	2849	End	3316
GI	none	Score	95
Exons	2849..3316, 3018..3272		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o4.ts	Method	TBLASTX:Soybean
Start	2852	End	3421
GI	none	Score	98
Exons	2852..3034, 3032..3328, 3051..3266, 3350..3421		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	3396	End	4176
GI	none	Score	55
Exons	3396..3509, 3407..3589, 3576..3845, 3583..3690, 3745..3843, 3831..4175, 3949..4176		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	3726	End	4176
GI	none	Score	81
Exons	3726..4175, 3747..4022, 3946..4176		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	3846	End	4304
GI	5509260	Score	136
Exons	3846..4304, 3867..4292, 3943..4296		
GI Descrip.	-		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	3957	End	4217
GI	none	Score	106
Exons	3957..4217, 3976..4215		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
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Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o2.tw	Method	TBLASTX:Wheat
Start	4722	End	5442
GI	none	Score	84
Exons	4722..4859, 4878..5114, 4878..5162, 4879..5151, 5202..5441, 5203..5442		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o3.ts	Method	TBLASTX:Soybean
Start	4776	End	5162
GI	none	Score	189
Exons	4776..4949, 4953..5162		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o3.tm	Method	TBLASTX:Maize
Start	4935	End	5426
GI	none	Score	47
Exons	4935..5012, 4968..5153, 4990..5151, 5202..5426		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o2.ts	Method	TBLASTX:Soybean
Start	5217	End	5618
GI	none	Score	48
Exons	5217..5522, 5229..5345, 5326..5523, 5502..5618, 5512..5598		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	5905	End	6801
GI	none	Score	72
Exons	5905..5979, 6090..6194, 6325..6564, 6348..6431, 6361..6573, 6563..6760, 6574..6801, 6595..6765		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o3.np	Method	AAT/NAP
Start	10818	End	12196
GI	6006372	Score	109
Exons	10818..11076, 12089..12196		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o4.np	Method	AAT/NAP
Start	11140	End	12242
GI	1235567	Score	346
Exons	11140..11292, 11378..11473, 11896..12242		

GI Descrip. (Z68090) group 3 LEA (type I) protein [Oryza sativa]

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o2.tc	Method	TBLASTX:Cress
Start	11471	End	11746
GI	none	Score	142
Exons	11471..11611, 11475..11612, 11642..11713, 11653..11715, 11726..11746		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o6.tm	Method	TBLASTX:Maize
Start	11471	End	11746
GI	none	Score	158
Exons	11471..11614, 11475..11615, 11628..11708, 11645..11713, 11647..11709, 11653..11715, 11726..11746		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o5.ts	Method	TBLASTX:Soybean
Start	11474	End	11746
GI	none	Score	140
Exons	11474..11611, 11475..11612, 11648..11713, 11653..11715, 11726..11746		

Seq. No.	34253	Seq. ID	OJ990428_25.9819.C5
Gene No.	70862	Strand	-
Start	10818	End	12242
Name	OJ990428_25.9819.C5.o3.gp	Method	AAT/GAP
Start	11974	End	12231
GI	3061086	Score	430
Exons	11974..12231		

Seq. No.	34254	Seq. ID	OJ990428_25.9819.C6
Gene No.	70863	Strand	+
Start	1	End	4468
Name	OJ990428_25.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	4357
GI	2497366	Score	164
Exons	1..25, 815..921, 1085..1391, 2054..2109, 2206..2289, 2328..2414, 3105..3171, 3265..3383, 3436..3539, 3707..3787, 3863..3981, 4163..4357		

GI Descrip. INTERFERON-GAMMA INDUCIBLE PROTEIN MG11 gi|2137851|pir||I49127
unknown intracellular protein - mouse gi|558903 (U15635) unknown
intracellular protein [Mus musculus]

Seq. No.	34254	Seq. ID	OJ990428_25.9819.C6
Gene No.	70863	Strand	+
Start	1	End	4468
Name	OJ990428_25.9819.C6.o1.gs	Method	GENSCAN
Start	463	End	4468
GI	none	Score	.81
Exons	463..551, 1569..1659, 1910..2109, 2944..2999, 3098..3171,		

3265..3357, 3438..3539, 3874..3965, 4070..4085, 4145..4273,
4364..4468

Seq. No.	34254	Seq. ID	OJ990428_25.9819.C6
Gene No.	70863	Strand	+
Start	1	End	4468
Name	OJ990428_25.9819.C6.o1.gp	Method	AAT/GAP
Start	815	End	1666
GI	LIB3432-035-P2-K1-E2	Score	583
Exons	815..921, 1015..1066, 1134..1218, 1569..1666		
GI Descrip.	'4886493/emb CAB43368.1 2.0e-29 (AL050267) hypothetical protein [Homo sapiens]'		

Seq. No.	34254	Seq. ID	OJ990428_25.9819.C6
Gene No.	70863	Strand	+
Start	1	End	4468
Name	OJ990428_25.9819.C6.o2.gp	Method	AAT/GAP
Start	3699	End	4261
GI	427428	Score	739
Exons	3699..3787, 3874..4085, 4163..4261		

Seq. No.	34254	Seq. ID	OJ990428_25.9819.C6
Gene No.	70864	Strand	-
Start	4485	End	4906
Name	OJ990428_25.9819.C6.o3.gp	Method	AAT/GAP
Start	4485	End	4906
GI	none	Score	824
Exons	4485..4906		

Seq. No.	34254	Seq. ID	OJ990428_25.9819.C6
Gene No.	70865	Strand	-
Start	5725	End	6214
Name	OJ990428_25.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	813	End	1213
GI	none	Score	141
Exons	813..887, 814..927, 1012..1071, 1102..1212, 1133..1213		

Seq. No.	34254	Seq. ID	OJ990428_25.9819.C6
Gene No.	70865	Strand	-
Start	5725	End	6214
Name	OJ990428_25.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	2202	End	3513
GI	none	Score	119
Exons	2202..2270, 2203..2283, 2207..2269, 2313..2354, 2933..2998, 2941..2997, 2952..2999, 3097..3186, 3100..3189, 3256..3357, 3263..3355, 3265..3360, 3432..3512, 3441..3512, 3442..3513		

Seq. No.	34254	Seq. ID	OJ990428_25.9819.C6
Gene No.	70865	Strand	-
Start	5725	End	6214
Name	OJ990428_25.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	3310	End	4446
GI	5677774	Score	56
Exons	3310..3360, 3312..3359, 3432..3539, 3437..3496, 3704..3787, 3706..3783, 3856..3981, 3893..3976, 4160..4276, 4174..4284, 4351..4446, 4364..4444		
GI Descrip.	-		

Seq. No.	34254	Seq. ID	OJ990428_25.9819.C6
Gene No.	70865	Strand	-
Start	5725	End	6214
Name	OJ990428_25.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	3704	End	3981
GI	none	Score	146
Exons	3704..3787, 3706..3786, 3853..3963, 3856..3981, 3872..3964		

Seq. No.	34254	Seq. ID	OJ990428_25.9819.C6
Gene No.	70865	Strand	-
Start	5725	End	6214
Name	OJ990428_25.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	4153	End	4471
GI	none	Score	189
Exons	4153..4275, 4154..4276, 4160..4276, 4161..4280, 4363..4401, 4364..4399, 4397..4471, 4402..4461		

Seq. No.	34254	Seq. ID	OJ990428_25.9819.C6
Gene No.	70865	Strand	-
Start	5725	End	6214
Name	OJ990428_25.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	4160	End	4459
GI	none	Score	117
Exons	4160..4276, 4174..4275, 4363..4449, 4364..4459		

Seq. No.	34254	Seq. ID	OJ990428_25.9819.C6
Gene No.	70865	Strand	-
Start	5725	End	6214
Name	OJ990428_25.9819.C6.o2.gs	Method	GENSCAN
Start	5725	End	6214
GI	none	Score	.45
Exons	5725..5762, 6112..6214		

Seq. No.	34255	Seq. ID	OJ990428_25.9819.C8
Gene No.	70866	Strand	+
Start	501	End	757
Name	OJ990428_25.9819.C8.o1.np	Method	AAT/NAP
Start	501	End	757
GI	2498930	Score	63
Exons	501..569, 737..757		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	34255	Seq. ID	OJ990428_25.9819.C8
Gene No.	70866	Strand	+
Start	501	End	757
Name	OJ990428_25.9819.C8.o1.gs	Method	GENSCAN
Start	510	End	569
GI	none	Score	.94
Exons	510..569		

Seq. No.	34256	Seq. ID	OJ990428_25.9819.C9
Gene No.	70867	Strand	+
Start	308	End	722
Name	OJ990428_25.9819.C9.o1.gs	Method	GENSCAN
Start	308	End	722

GI none
Exons 308..451, 576..722

Score .76

Seq. No. 34257 Seq. ID OJ990428_26.9819.C1
Gene No. 70868 Strand +
Start 519 End 739
Name OJ990428_26.9819.C1.o1.np Method AAT/NAP
Start 519 End 739
GI 2498930 Score 50
Exons 519..582, 693..739
GI Descrip. DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION
PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]

Seq. No. 34257 Seq. ID OJ990428_26.9819.C1
Gene No. 70868 Strand +
Start 519 End 739
Name OJ990428_26.9819.C1.o1.gs Method GENSCAN
Start 523 End 582
GI none Score .94
Exons 523..582

Seq. No. 34258 Seq. ID OJ990428_26.9819.C2
Gene No. 70869 Strand +
Start 1 End 746
Name OJ990428_26.9819.C2.o1.np Method AAT/NAP
Start 1 End 746
GI 2498930 Score 1200
Exons 1..746
GI Descrip. DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION
PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]

Seq. No. 34258 Seq. ID OJ990428_26.9819.C2
Gene No. 70869 Strand +
Start 1 End 746
Name OJ990428_26.9819.C2.o1.gs Method GENSCAN
Start 48 End 727
GI none Score .91
Exons 48..624, 639..727

Seq. No. 34259 Seq. ID OJ990428_26.9819.C3
Gene No. 70870 Strand +
Start 207 End 899
Name OJ990428_26.9819.C3.o1.np Method AAT/NAP
Start 207 End 899
GI 6907086 Score 768
Exons 207..899
GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No. 34260 Seq. ID OJ990428_26.9819.C6
Gene No. 70871 Strand +
Start 6562 End 6751
Name OJ990428_26.9819.C6.o1.gp Method AAT/GAP
Start 6562 End 6751
GI 5667165 Score 326
Exons 6562..6751
GI Descrip. 5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp.
japonica BAC clone 34K24, complete sequence

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70872	Strand	+
Start	25789	End	26190
Name	OJ990428_26.9819.C6.o5.gp	Method	AAT/GAP
Start	25789	End	26190
GI	none	Score	783
Exons	25789..26190		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70873	Strand	-
Start	1	End	11764
Name	OJ990428_26.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	9012
GI	4680179	Score	2855
Exons	1..2402, 2504..3489, 8939..9012		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70873	Strand	-
Start	1	End	11764
Name	OJ990428_26.9819.C6.o2.np	Method	AAT/NAP
Start	6455	End	11764
GI	2586082	Score	2560
Exons	6455..6486, 8800..11764		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70874	Strand	-
Start	12023	End	15406
Name	OJ990428_26.9819.C6.o3.np	Method	AAT/NAP
Start	12012	End	14645
GI	4680186	Score	354
Exons	12012..12038, 13734..13895, 14498..14645		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70874	Strand	-
Start	12023	End	15406
Name	OJ990428_26.9819.C6.o3.gs	Method	GENSCAN
Start	12023	End	15406
GI	none	Score	.5
Exons	12023..12358, 13324..13443, 13505..13561, 14463..14658, 15291..15406		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70875	Strand	-
Start	17156	End	21301
Name	OJ990428_26.9819.C6.o3.gp	Method	AAT/GAP
Start	17014	End	17373
GI	3767853	Score	663
Exons	17014..17373		
GI Descrip.	2262105/gb AAB63613.1 4.0e-23 (AC002343) unknown protein [Arabidopsis thaliana]		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70875	Strand	-

Start	17156	End	21301
Name	OJ990428_26.9819.C6.o4.gs	Method	GENSCAN
Start	17156	End	21282
GI	none	Score	.91
Exons	17156..18087, 18213..18330, 20078..20187, 20907..21282		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70875	Strand	-
Start	17156	End	21301
Name	OJ990428_26.9819.C6.o4.np	Method	AAT/NAP
Start	17162	End	21301
GI	2262105	Score	1881
Exons	17162..18081, 18213..18330, 18417..18588, 18708..18842, 18945..19042, 20018..20187, 20907..21301		
GI Descrip.	(AC002343) unknown protein [Arabidopsis thaliana]		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70875	Strand	-
Start	17156	End	21301
Name	OJ990428_26.9819.C6.o4.gp	Method	AAT/GAP
Start	17532	End	18297
GI	15439_1_R1084	Score	1251
Exons	17532..18087, 18213..18297		
GI Descrip.	'2262105/gb AAB63613.1 4.0e-57 (AC002343) unknown protein [Arabidopsis thaliana]'		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	475	End	988
GI	none	Score	114
Exons	475..987, 564..926, 577..930, 599..988		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	562	End	915
GI	none	Score	222
Exons	562..915, 614..913		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o8.ts	Method	TBLASTX:Soybean
Start	736	End	981
GI	none	Score	213
Exons	736..981		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o7.tm	Method	TBLASTX:Maize
Start	922	End	1269
GI	none	Score	71
Exons	922..1269, 1067..1243		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o5.tw	Method	TBLASTX:Wheat
Start	994	End	1290
GI	none	Score	176
Exons	994..1290, 1031..1273		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o3.ts	Method	TBLASTX:Soybean
Start	1003	End	1398
GI	none	Score	198
Exons	1003..1362, 1031..1381, 1366..1398		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	1285	End	1752
GI	none	Score	120
Exons	1285..1752, 1322..1681		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	1339	End	1822
GI	none	Score	170
Exons	1339..1821, 1348..1794, 1367..1822		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o12.tm	Method	TBLASTX:Maize
Start	1753	End	1950
GI	none	Score	162
Exons	1753..1950, 1754..1900		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o8.tw	Method	TBLASTX:Wheat
Start	1969	End	2368
GI	none	Score	85
Exons	1969..2133, 2018..2137, 2146..2367, 2213..2368		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o13.tm	Method	TBLASTX:Maize
Start	2050	End	2373
GI	none	Score	199
Exons	2050..2373		

Seq. No. 34260
Gene No. 70876
Start 24617
Name OJ990428_26.9819.C6.o11.tm
Start 2682
GI none
Exons 2682..3083

Seq. ID OJ990428_26.9819.C6
Strand -
End 32089
Method TBLASTX:Maize
End 3083
Score 239

Seq. No. 34260
Gene No. 70876
Start 24617
Name OJ990428_26.9819.C6.o9.tw
Start 2964
GI none
Exons 2964..3329

Seq. ID OJ990428_26.9819.C6
Strand -
End 32089
Method TBLASTX:Wheat
End 3329
Score 258

Seq. No. 34260
Gene No. 70876
Start 24617
Name OJ990428_26.9819.C6.o7.tw
Start 9530
GI none
Exons 9530..9901, 9532..9888

Seq. ID OJ990428_26.9819.C6
Strand -
End 32089
Method TBLASTX:Wheat
End 9901
Score 138

Seq. No. 34260
Gene No. 70876
Start 24617
Name OJ990428_26.9819.C6.o2.tc
Start 9544
GI none
Exons 9544..10005, 9830..10009

Seq. ID OJ990428_26.9819.C6
Strand -
End 32089
Method TBLASTX:Cress
End 10009
Score 66

Seq. No. 34260
Gene No. 70876
Start 24617
Name OJ990428_26.9819.C6.o7.ts
Start 9559
GI none
Exons 9559..9993, 9716..9943

Seq. ID OJ990428_26.9819.C6
Strand -
End 32089
Method TBLASTX:Soybean
End 9993
Score 69

Seq. No. 34260
Gene No. 70876
Start 24617
Name OJ990428_26.9819.C6.o8.tm
Start 9571
GI none
Exons 9571..9885, 9907..9996

Seq. ID OJ990428_26.9819.C6
Strand -
End 32089
Method TBLASTX:Maize
End 9996
Score 68

Seq. No. 34260
Gene No. 70876
Start 24617
Name OJ990428_26.9819.C6.o9.ts
Start 10000
GI none
Exons 10000..10179, 10195..10320, 10333..10413

Seq. ID OJ990428_26.9819.C6
Strand -
End 32089
Method TBLASTX:Soybean
End 10413
Score 66

Seq. No. 34260

Seq. ID OJ990428_26.9819.C6

Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o10.tm	Method	TBLASTX:Maize
Start	10487	End	10786
GI	none	Score	70
Exons	10487..10786, 10497..10736, 10667..10786		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o4.tw	Method	TBLASTX:Wheat
Start	10491	End	10864
GI	none	Score	134
Exons	10491..10820, 10493..10864, 10514..10831		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o10.tw	Method	TBLASTX:Wheat
Start	11102	End	11416
GI	none	Score	70
Exons	11102..11416, 11208..11339		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o7.tc	Method	TBLASTX:Cress
Start	11156	End	11704
GI	none	Score	60
Exons	11156..11527, 11594..11704		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o4.tm	Method	TBLASTX:Maize
Start	11231	End	11669
GI	none	Score	175
Exons	11231..11536, 11235..11540, 11564..11668, 11565..11669		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	17153	End	17863
GI	none	Score	114
Exons	17153..17365, 17171..17407, 17172..17456, 17409..17561, 17414..17566, 17591..17725, 17591..17791, 17592..17786, 17783..17863		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	17159	End	17951
GI	none	Score	227
Exons	17159..17470, 17166..17471, 17463..17951, 17465..17950		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	17165	End	18609
GI	none	Score	510
Exons	17165..18082, 17166..18083, 18244..18318, 18412..18609, 18414..18608		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o3.tw	Method	TBLASTX:Wheat
Start	17171	End	17545
GI	none	Score	238
Exons	17171..17545, 17172..17540		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	17864	End	19033
GI	none	Score	116
Exons	17864..18085, 17865..18059, 18187..18318, 18194..18319, 18412..18606, 18417..18605, 18707..18838, 18714..18848, 18942..19031, 18944..19033, 18956..19033		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o4.tc	Method	TBLASTX:Cress
Start	18214	End	18602
GI	none	Score	63
Exons	18214..18321, 18215..18328, 18414..18602, 18415..18600		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o6.tm	Method	TBLASTX:Maize
Start	18707	End	19045
GI	none	Score	163
Exons	18707..18838, 18711..18839, 18711..18839, 18712..18840, 18892..19029, 18919..19029, 18941..19030, 18944..19045		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o9.tm	Method	TBLASTX:Maize
Start	19982	End	21169
GI	none	Score	67
Exons	19982..20101, 19988..20101, 20150..20221, 20905..21168, 20906..21169		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o6.ts	Method	TBLASTX:Soybean

Start 20920
GI none
Exons 20920..21177, 20921..21169

End 21177
Score 126

Seq. No. 34260
Gene No. 70876
Start 24617
Name OJ990428_26.9819.C6.o5.tc
Start 20924
GI none
Exons 20924..21169, 20926..21168

Seq. ID OJ990428_26.9819.C6
Strand -
End 32089
Method TBLASTX:Cress
End 21169
Score 114

Seq. No. 34260
Gene No. 70876
Start 24617
Name OJ990428_26.9819.C6.o5.gs
Start 24617
GI none
Exons 24617..24717, 26188..26425, 26504..26668, 26808..26930, 28146..28406, 28980..29455, 30011..30078, 31743..32089

Seq. ID OJ990428_26.9819.C6
Strand -
End 32089
Method GENSCAN
End 32089
Score .54

Seq. No. 34260
Gene No. 70876
Start 24617
Name OJ990428_26.9819.C6.o4.ts
Start 26276
GI none
Exons 26276..26668, 26322..26414, 26490..26669, 26805..26921

Seq. ID OJ990428_26.9819.C6
Strand -
End 32089
Method TBLASTX:Soybean
End 26921
Score 70

Seq. No. 34260
Gene No. 70876
Start 24617
Name OJ990428_26.9819.C6.o5.np
Start 26283
GI 2245124
Exons 26283..26668, 26808..26930, 29304..29411

Seq. ID OJ990428_26.9819.C6
Strand -
End 32089
Method AAT/NAP
End 29411
Score 773

GI Descrip. (Z97343) NAK like protein kinase [Arabidopsis thaliana]

Seq. No. 34260
Gene No. 70876
Start 24617
Name OJ990428_26.9819.C6.o3.tc
Start 26303
GI none
Exons 26303..26668, 26334..26411, 28143..28220

Seq. ID OJ990428_26.9819.C6
Strand -
End 32089
Method TBLASTX:Cress
End 28220
Score 60

Seq. No. 34260
Gene No. 70876
Start 24617
Name OJ990428_26.9819.C6.o5.tm
Start 26309
GI none
Exons 26309..26671, 26505..26669, 28141..28227, 28152..28226, 28227..28301, 28231..28299,

Seq. ID OJ990428_26.9819.C6
Strand -
End 32089
Method TBLASTX:Maize
End 28409
Score 136

28308..28409, 28329..28409

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o6.tw	Method	TBLASTX:Wheat
Start	26354	End	26888
GI	none	Score	114
Exons	26354..26671, 26493..26666, 26805..26888		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o5.ts	Method	TBLASTX:Soybean
Start	28141	End	29156
GI	none	Score	208
Exons	28141..28407, 28142..28408, 28143..28409, 29025..29156		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o11.tw	Method	TBLASTX:Wheat
Start	28161	End	29090
GI	none	Score	83
Exons	28161..28298, 28162..28293, 28308..28364, 28365..28409, 29055..29090		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o6.tc	Method	TBLASTX:Cress
Start	28233	End	29171
GI	none	Score	100
Exons	28233..28409, 28243..28407, 28980..29171		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o14.tm	Method	TBLASTX:Maize
Start	28995	End	29211
GI	none	Score	82
Exons	28995..29189, 29101..29211		

Seq. No.	34260	Seq. ID	OJ990428_26.9819.C6
Gene No.	70876	Strand	-
Start	24617	End	32089
Name	OJ990428_26.9819.C6.o6.gp	Method	AAT/GAP
Start	29157	End	29598
GI	none	Score	833
Exons	29157..29598		

Seq. No.	34261	Seq. ID	OJ990428_26.9819.C7
Gene No.	70877	Strand	-
Start	1	End	1413
Name	OJ990428_26.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	1413
GI	2586082	Score	264

Exons 1..381, 1369..1413
GI Descrip. (U72725) retrofit [Oryza longistaminata]

Seq. No.	34261	Seq. ID	OJ990428_26.9819.C7
Gene No.	70877	Strand	-
Start	1	End	1413
Name	OJ990428_26.9819.C7.o1.gs	Method	GENSCAN
Start	195	End	378
GI	none	Score	.9
Exons	195..378		

Seq. No.	34261	Seq. ID	OJ990428_26.9819.C7
Gene No.	70877	Strand	-
Start	1	End	1413
Name	OJ990428_26.9819.C7.o2.gs	Method	GENSCAN
Start	962	End	1035
GI	none	Score	.98
Exons	962..1035		

Seq. No.	34262	Seq. ID	OJ990428_26.9819.C8
Gene No.	70878	Strand	+
Start	23	End	860
Name	OJ990428_26.9819.C8.o1.gs	Method	GENSCAN
Start	23	End	860
GI	none	Score	.57
Exons	23..767, 787..860		

Seq. No.	34263	Seq. ID	OJ990428_26.9819.C9
Gene No.	70879	Strand	-
Start	1	End	663
Name	OJ990428_26.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	663
GI	6907086	Score	150
Exons	1..215, 451..663		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	34263	Seq. ID	OJ990428_26.9819.C9
Gene No.	70879	Strand	-
Start	1	End	663
Name	OJ990428_26.9819.C9.o1.gs	Method	GENSCAN
Start	89	End	178
GI	none	Score	.76
Exons	89..178		

Seq. No.	34264	Seq. ID	OJ990428_26.9819.C10
Gene No.	70880	Strand	+
Start	1	End	2017
Name	OJ990428_26.9819.C10.o2.np	Method	AAT/NAP
Start	1	End	2014
GI	2459424	Score	159
Exons	1..25, 1857..2014		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	34264	Seq. ID	OJ990428_26.9819.C10
Gene No.	70880	Strand	+
Start	1	End	2017
Name	OJ990428_26.9819.C10.o1.gs	Method	GENSCAN

Start	451	End	2017
GI	none	Score	.63
Exons	451..529, 1567..1699, 1834..2017		

Seq. No.	34264	Seq. ID	OJ990428_26.9819.C10
Gene No.	70881	Strand	+
Start	7647	End	8075
Name	OJ990428_26.9819.C10.o1.gp	Method	AAT/GAP
Start	7647	End	8075
GI	76351_1.R1084	Score	752
Exons	7647..8075		
GI Descrip.	'3341697 2.0e-30 (AC003672) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	34264	Seq. ID	OJ990428_26.9819.C10
Gene No.	70882	Strand	+
Start	8097	End	10243
Name	OJ990428_26.9819.C10.o3.np	Method	AAT/NAP
Start	8097	End	10243
GI	3341697	Score	368
Exons	8097..8190, 8333..8443, 8805..8873, 9417..9532, 9616..9702, 10206..10243		

GI Descrip. (AC003672) hypothetical protein [Arabidopsis thaliana]

Seq. No.	34264	Seq. ID	OJ990428_26.9819.C10
Gene No.	70882	Strand	+
Start	8097	End	10243
Name	OJ990428_26.9819.C10.o2.gp	Method	AAT/GAP
Start	8286	End	9554
GI	428971	Score	613
Exons	8286..8443, 8805..8873, 9417..9554		
GI Descrip.	3341697 2.0e-30 (AC003672) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34264	Seq. ID	OJ990428_26.9819.C10
Gene No.	70883	Strand	-
Start	310	End	1842
Name	OJ990428_26.9819.C10.o1.np	Method	AAT/NAP
Start	310	End	1842
GI	4581155	Score	71
Exons	310..333, 1631..1842		
GI Descrip.	(AC006919) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	34264	Seq. ID	OJ990428_26.9819.C10
Gene No.	70884	Strand	-
Start	6340	End	9696
Name	OJ990428_26.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	1885	End	3383
GI	none	Score	196
Exons	1885..2016, 1886..2005, 1934..2032, 3228..3383		

Seq. No.	34264	Seq. ID	OJ990428_26.9819.C10
Gene No.	70884	Strand	-
Start	6340	End	9696
Name	OJ990428_26.9819.C10.o3.gs	Method	GENSCAN
Start	6340	End	8497

GI	none	Score	.62
Exons	6340..6403, 6468..6700, 8276..8497		
Seq. No.	34264	Seq. ID	OJ990428_26.9819.C10
Gene No.	70884	Strand	-
Start	6340	End	9696
Name	OJ990428_26.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	8340	End	9696
GI	none	Score	94
Exons	8340..8405, 8350..8403, 8405..8443, 8406..8444, 8802..8873, 8804..8866, 9377..9532, 9378..9533, 9403..9534, 9611..9676, 9613..9696		

Seq. No.	34264	Seq. ID	OJ990428_26.9819.C10
Gene No.	70884	Strand	-
Start	6340	End	9696
Name	OJ990428_26.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	8340	End	9676
GI	none	Score	96
Exons	8340..8405, 8341..8403, 8795..8866, 8796..8873, 9416..9532, 9417..9533, 9436..9537, 9611..9676, 9613..9669		

Seq. No.	34264	Seq. ID	OJ990428_26.9819.C10
Gene No.	70884	Strand	-
Start	6340	End	9696
Name	OJ990428_26.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	8359	End	9682
GI	none	Score	73
Exons	8359..8403, 8405..8443, 8802..8873, 8803..8874, 8804..8866, 9377..9532, 9411..9533, 9611..9682, 9613..9669		

Seq. No.	34265	Seq. ID	OJ990428_26.9819.C11
Gene No.	70885	Strand	+
Start	154	End	1585
Name	OJ990428_26.9819.C11.o1.gp	Method	AAT/GAP
Start	154	End	1585
GI	18724 2.R1084	Score	1550
Exons	154..201, 671..764, 913..1585		
GI Descrip.	'3341697 1.0e-46 (AC003672) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	34265	Seq. ID	OJ990428_26.9819.C11
Gene No.	70885	Strand	+
Start	154	End	1585
Name	OJ990428_26.9819.C11.o1.np	Method	AAT/NAP
Start	671	End	1012
GI	3341697	Score	210
Exons	671..765, 914..1012		
GI Descrip.	(AC003672) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34265	Seq. ID	OJ990428_26.9819.C11
Gene No.	70886	Strand	+
Start	12716	End	17220
Name	OJ990428_26.9819.C11.o3.gs	Method	GENSCAN
Start	12716	End	17220
GI	none	Score	.74
Exons	12716..12832, 13526..13601, 14613..14860, 14955..15016,		

15091..15264, 15507..15642, 17158..17220

Seq. No.	34265	Seq. ID	OJ990428_26.9819.C11
Gene No.	70886	Strand	+
Start	12716	End	17220
Name	OJ990428_26.9819.C11.o2.np	Method	AAT/NAP
Start	13534	End	15299
GI	5042157	Score	145
Exons	13534..13553, 15123..15299		
GI Descrip.	(AL078620) putative WRKY DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	34265	Seq. ID	OJ990428_26.9819.C11
Gene No.	70887	Strand	-
Start	1163	End	5279
Name	OJ990428_26.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	679	End	1319
GI	none	Score	155
Exons	679..765, 679..765, 684..794, 915..1019, 915..1022, 1010..1054, 1025..1054, 1177..1233, 1178..1234, 1183..1230, 1247..1309, 1248..1310, 1251..1319		

Seq. No.	34265	Seq. ID	OJ990428_26.9819.C11
Gene No.	70887	Strand	-
Start	1163	End	5279
Name	OJ990428_26.9819.C11.o1.gs	Method	GENSCAN
Start	1163	End	5279
GI	none	Score	.62
Exons	1163..1321, 3845..3887, 4185..4283, 4539..4631, 4993..5279		

Seq. No.	34265	Seq. ID	OJ990428_26.9819.C11
Gene No.	70888	Strand	
Start	15082	End	15266
Name	OJ990428_26.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	15082	End	15266
GI	none	Score	57
Exons	15082..15129, 15083..15130, 15110..15265, 15157..15264, 15186..15266		

Seq. No.	34265	Seq. ID	OJ990428_26.9819.C11
Gene No.	70888	Strand	
Start	15082	End	15266
Name	OJ990428_26.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	15110	End	15264
GI	none	Score	211
Exons	15110..15262, 15112..15264		

Seq. No.	34266	Seq. ID	OJ990428_26.9819.C12
Gene No.	70889	Strand	+
Start	288	End	1120
Name	OJ990428_26.9819.C12.o1.gs	Method	GENSCAN
Start	288	End	453
GI	none	Score	.61
Exons	288..453		

Seq. No.	34266	Seq. ID	OJ990428_26.9819.C12
Gene No.	70889	Strand	+

Start	288	End	1120
Name	OJ990428_26.9819.C12.o1.np	Method	AAT/NAP
Start	288	End	1120
GI	5042157	Score	127
Exons	288..421, 1071..1120		
GI Descrip.	(AL078620) putative WRKY DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	34266	Seq. ID	OJ990428_26.9819.C12
Gene No.	70890	Strand	+
Start	2181	End	2894
Name	OJ990428_26.9819.C12.o2.gs	Method	GENSCAN
Start	2181	End	2894
GI	none	Score	.5
Exons	2181..2290, 2322..2459, 2564..2894		

Seq. No.	34266	Seq. ID	OJ990428_26.9819.C12
Gene No.	70891	Strand	+
Start	3456	End	3859
Name	OJ990428_26.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	285	End	417
GI	none	Score	125
Exons	285..383, 285..410, 286..417		

Seq. No.	34266	Seq. ID	OJ990428_26.9819.C12
Gene No.	70891	Strand	+
Start	3456	End	3859
Name	OJ990428_26.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	285	End	429
GI	none	Score	240
Exons	285..428, 286..429		

Seq. No.	34266	Seq. ID	OJ990428_26.9819.C12
Gene No.	70891	Strand	+
Start	3456	End	3859
Name	OJ990428_26.9819.C12.o2.np	Method	AAT/NAP
Start	3429	End	3859
GI	3341694	Score	171
Exons	3429..3859		
GI Descrip.	(AC003672) putative PREG1-like negative regulator [Arabidopsis thaliana]		

Seq. No.	34266	Seq. ID	OJ990428_26.9819.C12
Gene No.	70891	Strand	+
Start	3456	End	3859
Name	OJ990428_26.9819.C12.o3.gs	Method	GENSCAN
Start	3456	End	3787
GI	none	Score	.78
Exons	3456..3628, 3731..3787		

Seq. No.	34267	Seq. ID	OJ990428_26.9819.C13
Gene No.	70892	Strand	+
Start	1	End	1269
Name	OJ990428_26.9819.C13.o1.np	Method	AAT/NAP
Start	1	End	1269
GI	3341694	Score	156
Exons	1..26, 1033..1269		

GI Descrip. (AC003672) putative PREG1-like negative regulator [Arabidopsis thaliana]

Seq. No.	34267	Seq. ID	OJ990428_26.9819.C13
Gene No.	70893	Strand	+
Start	4308	End	4669
Name	OJ990428_26.9819.C13.o1.gp	Method	AAT/GAP
Start	4308	End	4669
GI	none	Score	696
Exons	4308..4669		

Seq. No.	34267	Seq. ID	OJ990428_26.9819.C13
Gene No.	70894	Strand	+
Start	4790	End	15619
Name	OJ990428_26.9819.C13.o2.np	Method	AAT/NAP
Start	4790	End	15619
GI	3914142	Score	118
Exons	4790..5122, 15372..15395, 15572..15619		
GI Descrip.	EARLY NODULIN 20 PRECURSOR (N-20) gi 1771351 emb CAA67830 (X99467) ENOD20 [Medicago truncatula]		

Seq. No.	34267	Seq. ID	OJ990428_26.9819.C13
Gene No.	70894	Strand	+
Start	4790	End	15619
Name	OJ990428_26.9819.C13.o3.gs	Method	GENSCAN
Start	10174	End	15364
GI	none	Score	.48
Exons	10174..10325, 14062..14231, 14641..14819, 15185..15364		

Seq. No.	34267	Seq. ID	OJ990428_26.9819.C13
Gene No.	70894	Strand	+
Start	4790	End	15619
Name	OJ990428_26.9819.C13.o2.gp	Method	AAT/GAP
Start	11495	End	12031
GI	17581_1.R1084	Score	1045
Exons	11495..12031		
GI Descrip.	'4314371 gb AAD15582 1.0e-41 (AC006340) putative G9a protein [Arabidopsis thaliana]'		

Seq. No.	34267	Seq. ID	OJ990428_26.9819.C13
Gene No.	70895	Strand	+
Start	16442	End	20934
Name	OJ990428_26.9819.C13.o4.np	Method	AAT/NAP
Start	16442	End	20304
GI	6721516	Score	466
Exons	16442..16460, 18176..18445, 18854..19193, 20149..20304		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	34267	Seq. ID	OJ990428_26.9819.C13
Gene No.	70895	Strand	+
Start	16442	End	20934
Name	OJ990428_26.9819.C13.o5.np	Method	AAT/NAP
Start	20163	End	20934
GI	4680183	Score	179
Exons	20163..20233, 20843..20934		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	34267	Seq. ID	OJ990428_26.9819.C13
Gene No.	70896	Strand	-
Start	16826	End	20812
Name	OJ990428_26.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	1034	End	1298
GI	none	Score	267
Exons	1034..1195, 1034..1192, 1186..1230, 1193..1246, 1242..1298		

Seq. No.	34267	Seq. ID	OJ990428_26.9819.C13
Gene No.	70896	Strand	-
Start	16826	End	20812
Name	OJ990428_26.9819.C13.o2.tm	Method	TBLASTX:Maize
Start	11718	End	12189
GI	none	Score	87
Exons	11718..11810, 11736..11810, 11737..11817, 11754..11810, 11755..11817, 11907..12011, 11909..12016, 11916..11942, 11916..12008, 11921..12016, 11929..11958, 11930..11986, 11953..12096, 12013..12123, 12016..12099, 12102..12182, 12102..12182, 12103..12189, 12126..12182, 12127..12189		

Seq. No.	34267	Seq. ID	OJ990428_26.9819.C13
Gene No.	70896	Strand	-
Start	16826	End	20812
Name	OJ990428_26.9819.C13.o3.tm	Method	TBLASTX:Maize
Start	12388	End	12651
GI	none	Score	52
Exons	12388..12471, 12389..12460, 12488..12643, 12492..12650, 12514..12651, 12541..12648		

Seq. No.	34267	Seq. ID	OJ990428_26.9819.C13
Gene No.	70896	Strand	-
Start	16826	End	20812
Name	OJ990428_26.9819.C13.o3.np	Method	AAT/NAP
Start	16788	End	20362
GI	5852172	Score	130
Exons	16788..16946, 20321..20362		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	34267	Seq. ID	OJ990428_26.9819.C13
Gene No.	70896	Strand	-
Start	16826	End	20812
Name	OJ990428_26.9819.C13.o4.gs	Method	GENSCAN
Start	16826	End	20812
GI	none	Score	.51
Exons	16826..16938, 17936..17963, 18403..18535, 18972..19053, 19592..19869, 20703..20812		

Seq. No.	34268	Seq. ID	OJ990428_26.9819.C14
Gene No.	70897	Strand	+
Start	288	End	7679
Name	OJ990428_26.9819.C14.o1.gs	Method	GENSCAN
Start	288	End	7679
GI	none	Score	.55
Exons	288..310, 1302..1500, 1550..1811, 3283..3580, 4116..4230, 4680..4796, 4934..5020, 5118..5194, 5314..5441, 5916..6024, 7139..7250, 7428..7603, 7655..7679		

Seq. No.	34268	Seq. ID	OJ990428_26.9819.C14
Gene No.	70897	Strand	+
Start	288	End	7679
Name	OJ990428_26.9819.C14.o2.tm	Method	TBLASTX:Maize
Start	1392	End	1774
GI	none	Score	136
Exons	1392..1502, 1393..1509, 1396..1527, 1407..1526, 1534..1761, 1535..1774		

Seq. No.	34268	Seq. ID	OJ990428_26.9819.C14
Gene No.	70897	Strand	+
Start	288	End	7679
Name	OJ990428_26.9819.C14.o2.ts	Method	TBLASTX:Soybean
Start	1392	End	1774
GI	none	Score	131
Exons	1392..1499, 1393..1509, 1508..1711, 1534..1680, 1685..1774		

Seq. No.	34268	Seq. ID	OJ990428_26.9819.C14
Gene No.	70897	Strand	+
Start	288	End	7679
Name	OJ990428_26.9819.C14.o2.tc	Method	TBLASTX:Cress
Start	1393	End	1711
GI	none	Score	132
Exons	1393..1509, 1404..1499, 1508..1711, 1534..1656		

Seq. No.	34268	Seq. ID	OJ990428_26.9819.C14
Gene No.	70897	Strand	+
Start	288	End	7679
Name	OJ990428_26.9819.C14.o1.np	Method	AAT/NAP
Start	1399	End	3299
GI	6016479	Score	270
Exons	1399..1771, 3258..3299		
GI Descrip.	(AF045286) GDP-4-keto-6-deoxy-D-mannose-3,5-epimerase-4-reductase [Arabidopsis thaliana] gi 6598858 gb AAF18712.1 AC010556_8 (AC010556) GDP-4-keto-6-deoxy-D-mannose-3,5-epimerase-4-reductase (GER1) [Arabidopsis thaliana]		

Seq. No.	34268	Seq. ID	OJ990428_26.9819.C14
Gene No.	70897	Strand	+
Start	288	End	7679
Name	OJ990428_26.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	4096	End	6293
GI	none	Score	201
Exons	4096..4245, 4117..4242, 4675..4791, 4679..4795, 4710..4796, 4903..5019, 4932..5018, 4934..5023, 4934..5020, 5118..5192, 5120..5197, 5312..5443, 5315..5443, 5864..6025, 5886..6035, 5887..6036, 6141..6293, 6141..6287, 6142..6288		

Seq. No.	34268	Seq. ID	OJ990428_26.9819.C14
Gene No.	70897	Strand	+
Start	288	End	7679
Name	OJ990428_26.9819.C14.o4.tc	Method	TBLASTX:Cress
Start	4114	End	4796
GI	none	Score	91
Exons	4114..4233, 4115..4231, 4117..4242, 4682..4792, 4710..4796		

Seq. No.	34268	Seq. ID	OJ990428_26.9819.C14
Gene No.	70897	Strand	+
Start	288	End	7679
Name	OJ990428_26.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	4117	End	6239
GI	none	Score	196
Exons	4117..4242, 4117..4242, 4675..4791, 4677..4796, 4710..4796, 4934..5017, 4963..5019, 5118..5192, 5120..5194, 5305..5442, 5311..5442, 5312..5443, 5886..6035, 5887..6036, 6133..6237, 6133..6219, 6141..6239, 6143..6220		

Seq. No.	34268	Seq. ID	OJ990428_26.9819.C14
Gene No.	70897	Strand	+
Start	288	End	7679
Name	OJ990428_26.9819.C14.o1.tc	Method	TBLASTX:Cress
Start	4934	End	6233
GI	none	Score	123
Exons	4934..5017, 4963..5019, 5118..5192, 5120..5194, 5133..5204, 5311..5442, 5312..5443, 5886..6062, 5887..6036, 6141..6233, 6143..6217		

Seq. No.	34268	Seq. ID	OJ990428_26.9819.C14
Gene No.	70897	Strand	+
Start	288	End	7679
Name	OJ990428_26.9819.C14.o1.gp	Method	AAT/GAP
Start	5383	End	6467
GI	1340_1.R1084	Score	963
Exons	5383..5441, 5888..6024, 6144..6467		
GI Descrip.	'5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	34268	Seq. ID	OJ990428_26.9819.C14
Gene No.	70898	Strand	
Start	9380	End	10612
Name	OJ990428_26.9819.C14.o3.tc	Method	TBLASTX:Cress
Start	9380	End	10612
GI	none	Score	102
Exons	9380..9469, 9408..9470, 10081..10224, 10225..10347, 10230..10325, 10486..10599, 10487..10612		

Seq. No.	34268	Seq. ID	OJ990428_26.9819.C14
Gene No.	70899	Strand	
Start	11145	End	11343
Name	OJ990428_26.9819.C14.o3.tm	Method	TBLASTX:Maize
Start	11145	End	11343
GI	none	Score	161
Exons	11145..11330, 11145..11228, 11146..11343, 11146..11331, 11147..11338		

Seq. No.	34269	Seq. ID	OJ990428_26.9819.C15
Gene No.	70900	Strand	-
Start	309	End	6060
Name	OJ990428_26.9819.C15.o2.tm	Method	TBLASTX:Maize
Start	296	End	1467
GI	none	Score	221
Exons	296..406, 306..500, 307..501, 570..650, 580..666, 584..631,		

584..667, 610..687, 796..894, 809..886, 1420..1467, 1422..1466

Seq. No.	34269	Seq. ID	OJ990428_26.9819.C15
Gene No.	70900	Strand	-
Start	309	End	6060
Name	OJ990428_26.9819.C15.ol.ts	Method	TBLASTX:Soybean
Start	298	End	2887
GI	none	Score	163
Exons	298..501, 309..500, 570..650, 581..622, 610..687, 796..894, 809..895, 1420..1455, 1422..1676, 1534..1674, 1679..1717, 1773..1883, 1810..1890, 1980..2060, 1982..2059, 2014..2061, 2020..2067, 2155..2244, 2160..2384, 2169..2384, 2306..2392, 2501..2623, 2502..2618, 2503..2619, 2765..2887, 2766..2876		

Seq. No.	34269	Seq. ID	OJ990428_26.9819.C15
Gene No.	70900	Strand	-
Start	309	End	6060
Name	OJ990428_26.9819.C15.ol.tc	Method	TBLASTX:Cress
Start	303	End	2882
GI	none	Score	191
Exons	303..500, 313..501, 570..650, 610..687, 796..894, 797..886, 1422..1682, 1422..1676, 1773..1883, 1777..1890, 1960..2055, 1980..2057, 1981..2058, 1982..2062, 2160..2384, 2160..2384, 2494..2598, 2501..2623, 2502..2618, 2765..2875, 2766..2882		

Seq. No.	34269	Seq. ID	OJ990428_26.9819.C15
Gene No.	70900	Strand	-
Start	309	End	6060
Name	OJ990428_26.9819.C15.ol.gs	Method	GENSCAN
Start	309	End	5967
GI	none	Score	.54
Exons	309..494, 579..665, 808..883, 1420..1670, 1773..1889, 1982..2056, 2160..2381, 2504..2617, 2768..2956, 3829..3916, 4438..4516, 4714..4835, 4961..5967		

Seq. No.	34269	Seq. ID	OJ990428_26.9819.C15
Gene No.	70900	Strand	-
Start	309	End	6060
Name	OJ990428_26.9819.C15.ol.tw	Method	TBLASTX:Wheat
Start	309	End	664
GI	none	Score	239
Exons	309..500, 310..501, 570..650, 581..637, 584..664, 610..654		

Seq. No.	34269	Seq. ID	OJ990428_26.9819.C15
Gene No.	70900	Strand	-
Start	309	End	6060
Name	OJ990428_26.9819.C15.ol.np	Method	AAT/NAP
Start	312	End	2875
GI	1336084	Score	1562
Exons	312..494, 579..665, 808..883, 1420..1670, 1773..1889, 1982..2056, 2160..2381, 2504..2617, 2768..2875		
GI Descrip.	(U56635) Arabidopsis thaliana glutamate dehydrogenase 2 (GDH2) mRNA, complete cds. [Arabidopsis thaliana]		

Seq. No.	34269	Seq. ID	OJ990428_26.9819.C15
Gene No.	70900	Strand	-
Start	309	End	6060

Name	OJ990428_26.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	1467	End	2889
GI	none	Score	130
Exons	1467..1610, 1467..1637, 1469..1672, 1537..1626, 1613..1669, 1614..1676, 1615..1671, 1773..1841, 1773..1883, 1774..1890, 1774..1887, 1980..2060, 1982..2062, 1984..2061, 2155..2250, 2160..2384, 2160..2384, 2501..2623, 2520..2618, 2756..2875, 2765..2881, 2766..2882, 2827..2889		

Seq. No.	34269	Seq. ID	OJ990428_26.9819.C15
Gene No.	70900	Strand	-
Start	309	End	6060
Name	OJ990428_26.9819.C15.o1.gp	Method	AAT/GAP
Start	1784	End	2560
GI	74696_1.R1084	Score	769
Exons	1784..1889, 1982..2056, 2160..2381, 2504..2560		
GI Descrip.	'2196878/emb CAA69600 2.0e-59 (Y08292) NADH glutamate dehydrogenase [Nicotiana plumbaginifolia]'		

Seq. No.	34269	Seq. ID	OJ990428_26.9819.C15
Gene No.	70900	Strand	-
Start	309	End	6060
Name	OJ990428_26.9819.C15.o2.np	Method	AAT/NAP
Start	4890	End	6060
GI	3935149	Score	874
Exons	4890..6060		
GI Descrip.	(AC005106) T25N20.13 [Arabidopsis thaliana]		

Seq. No.	34269	Seq. ID	OJ990428_26.9819.C15
Gene No.	70900	Strand	-
Start	309	End	6060
Name	OJ990428_26.9819.C15.o3.tm	Method	TBLASTX:Maize
Start	5161	End	6057
GI	none	Score	112
Exons	5161..5310, 5168..5305, 5317..5529, 5366..5533, 5896..6057		

Seq. No.	34269	Seq. ID	OJ990428_26.9819.C15
Gene No.	70900	Strand	-
Start	309	End	6060
Name	OJ990428_26.9819.C15.o2.tc	Method	TBLASTX:Cress
Start	5203	End	5533
GI	none	Score	86
Exons	5203..5307, 5204..5305, 5320..5529, 5438..5533		

Seq. No.	34269	Seq. ID	OJ990428_26.9819.C15
Gene No.	70900	Strand	-
Start	309	End	6060
Name	OJ990428_26.9819.C15.o4.tm	Method	TBLASTX:Maize
Start	5587	End	5847
GI	none	Score	112
Exons	5587..5763, 5591..5758, 5764..5847, 5767..5844		

Seq. No.	34270	Seq. ID	OJ990428_26.9819.C16
Gene No.	70901	Strand	-
Start	1	End	3534
Name	OJ990428_26.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	3534

GI 3935149 Score 438
Exons 1..654, 782..938, 1871..2008, 3409..3534
GI Descrip. (AC005106) T25N20.13 [Arabidopsis thaliana]

Seq. No. 34270 Seq. ID OJ990428_26.9819.C16
Gene No. 70901 Strand -
Start 1 End 3534
Name OJ990428_26.9819.C16.o1.tc Method TBLASTX:Cress
Start 40 End 474
GI none Score 124
Exons 40..174, 187..474, 215..472

Seq. No. 34270 Seq. ID OJ990428_26.9819.C16
Gene No. 70901 Strand -
Start 1 End 3534
Name OJ990428_26.9819.C16.o1.gs Method GENSCAN
Start 60 End 3290
GI none Score .76
Exons 60..654, 795..947, 1871..3290

Seq. No. 34270 Seq. ID OJ990428_26.9819.C16
Gene No. 70901 Strand -
Start 1 End 3534
Name OJ990428_26.9819.C16.o1.tm Method TBLASTX:Maize
Start 235 End 498
GI none Score 94
Exons 235..399, 239..427, 445..498

Seq. No. 34271 Seq. ID OJ990428_26.9819.C18
Gene No. 70902 Strand +
Start 2674 End 5639
Name OJ990428_26.9819.C18.o2.np Method AAT/NAP
Start 2674 End 3454
GI 6002794 Score 1240
Exons 2674..3454
GI Descrip. (AF149813) unknown [Oryza sativa]

Seq. No. 34271 Seq. ID OJ990428_26.9819.C18
Gene No. 70902 Strand +
Start 2674 End 5639
Name OJ990428_26.9819.C18.o3.np Method AAT/NAP
Start 2966 End 5639
GI 4539660 Score 702
Exons 2966..2993, 4173..5045, 5133..5639
GI Descrip. (AF061282) polyprotein [Sorghum bicolor]

Seq. No. 34271 Seq. ID OJ990428_26.9819.C18
Gene No. 70903 Strand -
Start 104 End 1536
Name OJ990428_26.9819.C18.o1.np Method AAT/NAP
Start 104 End 1536
GI 6907088 Score 990
Exons 104..489, 984..1221, 1399..1536
GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No. 34271 Seq. ID OJ990428_26.9819.C18
Gene No. 70903 Strand -

Start	104	End	1536
Name	OJ990428_26.9819.C18.o1.gp	Method	AAT/GAP
Start	530	End	722
GI	5667165	Score	309
Exons	530..722		
GI Descrip.	5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	34271	Seq. ID	OJ990428_26.9819.C18
Gene No.	70904	Strand	
Start	4163	End	4822
Name	OJ990428_26.9819.C18.o2.tw	Method	TBLASTX:Wheat
Start	4163	End	4540
GI	none	Score	256
Exons	4163..4540, 4180..4281		

Seq. No.	34271	Seq. ID	OJ990428_26.9819.C18
Gene No.	70904	Strand	
Start	4163	End	4822
Name	OJ990428_26.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	4421	End	4822
GI	none	Score	231
Exons	4421..4822		

Seq. No.	34271	Seq. ID	OJ990428_26.9819.C18
Gene No.	70905	Strand	
Start	5131	End	5536
Name	OJ990428_26.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	5131	End	5457
GI	none	Score	200
Exons	5131..5244, 5132..5455, 5138..5272, 5374..5457		

Seq. No.	34271	Seq. ID	OJ990428_26.9819.C18
Gene No.	70905	Strand	
Start	5131	End	5536
Name	OJ990428_26.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	5137	End	5536
GI	none	Score	166
Exons	5137..5292, 5138..5359, 5368..5487, 5372..5536		

Seq. No.	34272	Seq. ID	OJ990428_26.9819.C19
Gene No.	70906	Strand	+
Start	140	End	2992
Name	OJ990428_26.9819.C19.o1.np	Method	AAT/NAP
Start	140	End	2992
GI	4680179	Score	1730
Exons	140..1594, 2961..2992		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	34272	Seq. ID	OJ990428_26.9819.C19
Gene No.	70907	Strand	-
Start	398	End	2880
Name	OJ990428_26.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	139	End	418
GI	none	Score	353
Exons	139..366, 140..418, 164..415		

Seq. No.	34272	Seq. ID	OJ990428_26.9819.C19
Gene No.	70907	Strand	-
Start	398	End	2880
Name	OJ990428_26.9819.C19.o3.tw	Method	TBLASTX:Wheat
Start	140	End	418
GI	none	Score	386
Exons	140..418, 181..381		

Seq. No.	34272	Seq. ID	OJ990428_26.9819.C19
Gene No.	70907	Strand	-
Start	398	End	2880
Name	OJ990428_26.9819.C19.o2.np	Method	AAT/NAP
Start	398	End	2880
GI	6907086	Score	902
Exons	398..420, 1614..2075, 2133..2880		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	34272	Seq. ID	OJ990428_26.9819.C19
Gene No.	70907	Strand	-
Start	398	End	2880
Name	OJ990428_26.9819.C19.o2.tw	Method	TBLASTX:Wheat
Start	461	End	985
GI	none	Score	558
Exons	461..985, 646..981		

Seq. No.	34272	Seq. ID	OJ990428_26.9819.C19
Gene No.	70907	Strand	-
Start	398	End	2880
Name	OJ990428_26.9819.C19.o4.tm	Method	TBLASTX:Maize
Start	632	End	949
GI	none	Score	269
Exons	632..949, 671..934, 745..948		

Seq. No.	34272	Seq. ID	OJ990428_26.9819.C19
Gene No.	70907	Strand	-
Start	398	End	2880
Name	OJ990428_26.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	692	End	1009
GI	none	Score	101
Exons	692..865, 713..811, 866..1009, 868..993		

Seq. No.	34272	Seq. ID	OJ990428_26.9819.C19
Gene No.	70907	Strand	-
Start	398	End	2880
Name	OJ990428_26.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	778	End	1033
GI	none	Score	286
Exons	778..1032, 785..1033, 905..1033		

Seq. No.	34272	Seq. ID	OJ990428_26.9819.C19
Gene No.	70907	Strand	-
Start	398	End	2880
Name	OJ990428_26.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	950	End	1270
GI	none	Score	448
Exons	950..1267, 952..1263, 962..1270		

Seq. No.	34272	Seq. ID	OJ990428_26.9819.C19
Gene No.	70907	Strand	-
Start	398	End	2880
Name	OJ990428_26.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	992	End	1582
GI	none	Score	506
Exons	992..1504, 1048..1506, 1496..1582		

Seq. No.	34272	Seq. ID	OJ990428_26.9819.C19
Gene No.	70907	Strand	-
Start	398	End	2880
Name	OJ990428_26.9819.C19.o3.tm	Method	TBLASTX:Maize
Start	1276	End	1588
GI	none	Score	214
Exons	1276..1491, 1277..1504, 1496..1588, 1499..1579, 1501..1581		

Seq. No.	34272	Seq. ID	OJ990428_26.9819.C19
Gene No.	70907	Strand	-
Start	398	End	2880
Name	OJ990428_26.9819.C19.o2.gs	Method	GENSCAN
Start	2150	End	2656
GI	none	Score	46
Exons	2150..2656		

Seq. No.	34273	Seq. ID	OJ990428_26.9819.C20
Gene No.	70908	Strand	-
Start	1174	End	1265
Name	OJ990428_26.9819.C20.o1.gs	Method	GENSCAN
Start	1174	End	1265
GI	none	Score	.64
Exons	1174..1265		

Seq. No.	34274	Seq. ID	OJ990318_15.9819.C1
Gene No.	70909	Strand	+
Start	711	End	3201
Name	OJ990318_15.9819.C1.o1.gs	Method	GENSCAN
Start	711	End	3201
GI	none	Score	.4
Exons	711..721, 1568..1698, 1963..2117, 3010..3201		

Seq. No.	34274	Seq. ID	OJ990318_15.9819.C1
Gene No.	70910	Strand	+
Start	7174	End	11323
Name	OJ990318_15.9819.C1.o2.np	Method	AAT/NAP
Start	7174	End	11323
GI	5042463	Score	131
Exons	7174..7380, 8253..8464, 9124..9282, 9334..9416, 11298..11323		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	34274	Seq. ID	OJ990318_15.9819.C1
Gene No.	70911	Strand	-
Start	6715	End	7498
Name	OJ990318_15.9819.C1.o2.gs	Method	GENSCAN
Start	6715	End	7498
GI	none	Score	.85
Exons	6715..6936, 7088..7140, 7345..7498		

Seq. No.	34274	Seq. ID	OJ990318_15.9819.C1
Gene No.	70912	Strand	-
Start	7911	End	23347
Name	OJ990318_15.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	2949	End	3410
GI	none	Score	80
Exons	2949..2996, 2950..3003, 3002..3052, 3004..3045, 3052..3117, 3052..3117, 3150..3410, 3152..3391		

Seq. No.	34274	Seq. ID	OJ990318_15.9819.C1
Gene No.	70912	Strand	-
Start	7911	End	23347
Name	OJ990318_15.9819.C1.o2.tw	Method	TBLASTX:Wheat
Start	3005	End	20496
GI	none	Score	50
Exons	3005..3052, 3067..3117, 3174..3401, 3195..3326, 20407..20496		

Seq. No.	34274	Seq. ID	OJ990318_15.9819.C1
Gene No.	70912	Strand	-
Start	7911	End	23347
Name	OJ990318_15.9819.C1.o3.gs	Method	GENSCAN
Start	7911	End	23347
GI	none	Score	41
Exons	7911..8166, 9199..9277, 10610..10816, 12038..12129, 12477..12655, 13232..13386, 13833..13976, 14453..15158, 15188..16532, 16829..17120, 17229..17369, 17889..18617, 19042..19191, 20181..20222, 21254..21428, 22970..23347		

Seq. No.	34274	Seq. ID	OJ990318_15.9819.C1
Gene No.	70912	Strand	-
Start	7911	End	23347
Name	OJ990318_15.9819.C1.o3.np	Method	AAT/NAP
Start	14153	End	19171
GI	6815072	Score	6095
Exons	14153..16393, 16834..17120, 17229..17933, 18042..18384, 18483..18595, 18915..18966, 19042..19171		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	34274	Seq. ID	OJ990318_15.9819.C1
Gene No.	70912	Strand	-
Start	7911	End	23347
Name	OJ990318_15.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	14246	End	14428
GI	none	Score	203
Exons	14246..14428		

Seq. No.	34274	Seq. ID	OJ990318_15.9819.C1
Gene No.	70912	Strand	-
Start	7911	End	23347
Name	OJ990318_15.9819.C1.o3.tm	Method	TBLASTX:Maize
Start	14354	End	14697
GI	none	Score	49
Exons	14354..14443, 14355..14444, 14475..14696, 14557..14697		

Seq. No.	34274	Seq. ID	OJ990318_15.9819.C1
Gene No.	70912	Strand	-

Start	7911	End	23347
Name	OJ990318_15.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	14472	End	14699
GI	none	Score	78
Exons	14472..14699, 14554..14688		

Seq. No.	34274	Seq. ID	OJ990318_15.9819.C1
Gene No.	70912	Strand	-
Start	7911	End	23347
Name	OJ990318_15.9819.C1.o2.ts	Method	TBLASTX:Soybean
Start	14520	End	14750
GI	none	Score	65
Exons	14520..14750, 14524..14694		

Seq. No.	34274	Seq. ID	OJ990318_15.9819.C1
Gene No.	70912	Strand	-
Start	7911	End	23347
Name	OJ990318_15.9819.C1.o5.tm	Method	TBLASTX:Maize
Start	15000	End	15373
GI	none	Score	92
Exons	15000..15164, 15164..15373, 15186..15356		

Seq. No.	34274	Seq. ID	OJ990318_15.9819.C1
Gene No.	70912	Strand	-
Start	7911	End	23347
Name	OJ990318_15.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	17059	End	17574
GI	none	Score	94
Exons	17059..17121, 17230..17343, 17353..17574, 17390..17554		

Seq. No.	34274	Seq. ID	OJ990318_15.9819.C1
Gene No.	70912	Strand	-
Start	7911	End	23347
Name	OJ990318_15.9819.C1.o1.tw	Method	TBLASTX:Wheat
Start	17260	End	17646
GI	none	Score	53
Exons	17260..17340, 17263..17325, 17353..17589, 17369..17536, 17581..17646		

Seq. No.	34274	Seq. ID	OJ990318_15.9819.C1
Gene No.	70912	Strand	-
Start	7911	End	23347
Name	OJ990318_15.9819.C1.o4.tm	Method	TBLASTX:Maize
Start	17785	End	18300
GI	none	Score	70
Exons	17785..18132, 17786..17842, 18163..18231, 18247..18300		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70913	Strand	+
Start	478	End	8002
Name	OJ990318_15.9819.C2.o1.gs	Method	GENSCAN
Start	478	End	7990
GI	none	Score	.71
Exons	478..563, 1337..1474, 1929..2131, 3262..3348, 3802..3888, 4349..4428, 5209..5271, 5362..7855, 7929..7990		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
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Gene No.	70913	Strand	+
Start	478	End	8002
Name	OJ990318_15.9819.C2.o1.np	Method	AAT/NAP
Start	5508	End	8002
GI	6539581	Score	1714
Exons	5508..5782, 5846..5925, 6040..8002		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70914	Strand	+
Start	18029	End	24981
Name	OJ990318_15.9819.C2.o6.np	Method	AAT/NAP
Start	18029	End	24981
GI	6063557	Score	401
Exons	18029..18146, 21165..21350, 21599..21731, 24959..24981		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70914	Strand	+
Start	18029	End	24981
Name	OJ990318_15.9819.C2.o4.gs	Method	GENSCAN
Start	21171	End	22945
GI	none	Score	.82
Exons	21171..21306, 21572..21707, 22840..22945		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70914	Strand	+
Start	18029	End	24981
Name	OJ990318_15.9819.C2.o1.gp	Method	AAT/GAP
Start	21621	End	21774
GI	uC-osflcyp169h02b1	Score	204
Exons	21621..21774		
GI Descrip.	'6063530/dbj AP000615.1 AP000615 3.0e-33 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70915	Strand	+
Start	29958	End	30364
Name	OJ990318_15.9819.C2.o7.gs	Method	GENSCAN
Start	29958	End	30364
GI	none	Score	.47
Exons	29958..30114, 30342..30364		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70916	Strand	-
Start	8205	End	16210
Name	OJ990318_15.9819.C2.o2.gs	Method	GENSCAN
Start	8205	End	16210
GI	none	Score	.78
Exons	8205..8243, 8351..8540, 8916..9016, 9131..9262, 9358..9456, 9558..9729, 10205..10500, 10592..10726, 10811..11046, 11144..11215, 11313..11367, 11457..11533, 11640..11925, 12005..12178, 13423..13479, 13548..13652, 15347..16210		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70916	Strand	-

Start	8205	End	16210
Name	OJ990318_15.9819.C2.o2.np	Method	AAT/NAP
Start	9128	End	13025
GI	6539580	Score	798
Exons	9128..9262, 9358..9413, 9530..9726, 10205..11191, 11634..11918, 12001..12178, 12263..12862, 12999..13025		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70916	Strand	-
Start	8205	End	16210
Name	OJ990318_15.9819.C2.o4.np	Method	AAT/NAP
Start	9128	End	12875
GI	6539580	Score	793
Exons	9128..9262, 9358..9413, 9530..9726, 10205..11191, 11634..11918, 12001..12178, 12263..12875		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70916	Strand	-
Start	8205	End	16210
Name	OJ990318_15.9819.C2.o3.np	Method	AAT/NAP
Start	9128	End	13236
GI	6539580	Score	794
Exons	9128..9262, 9358..9413, 9530..9726, 10205..11191, 11634..11918, 12001..12178, 12263..12865, 13213..13236		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70917	Strand	-
Start	17933	End	20367
Name	OJ990318_15.9819.C2.o3.gs	Method	GENSCAN
Start	17933	End	20347
GI	none	Score	.77
Exons	17933..18107, 18138..18230, 18579..18620, 18762..18839, 19129..19141, 19498..19743, 19912..20347		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70917	Strand	-
Start	17933	End	20367
Name	OJ990318_15.9819.C2.o5.np	Method	AAT/NAP
Start	19361	End	20367
GI	6498441	Score	271
Exons	19361..19654, 19757..20367		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70918	Strand	-
Start	23459	End	27802
Name	OJ990318_15.9819.C2.o5.gs	Method	GENSCAN
Start	23459	End	27802
GI	none	Score	.46
Exons	23459..23944, 26074..26138, 26398..26472, 27223..27802		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
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Gene No.	70918	Strand	-
Start	23459	End	27802
Name	OJ990318_15.9819.C2.o2.gp	Method	AAT/GAP
Start	24254	End	24741
GI	none	Score	968
Exons	24254..24741		
Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70919	Strand	-
Start	27913	End	28520
Name	OJ990318_15.9819.C2.o6.gs	Method	GENSCAN
Start	27913	End	28520
GI	none	Score	.58
Exons	27913..28106, 28157..28520		
Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70920	Strand	-
Start	28863	End	30549
Name	OJ990318_15.9819.C2.o8.np	Method	AAT/NAP
Start	28863	End	30549
GI	128620	Score	112
Exons	28863..28992, 30526..30549		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 1, CHLOROPLAST gi 66139 pir DERZN1 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 1 - rice chloroplast gi 669087 emb CAA33910 (X15901) NADH dehydrogenase ND1 [Oryza sativa] gi 226676 prf 1603356DD NADH dehydrogenase ND1 [Oryza sativa]		
Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70921	Strand	-
Start	31678	End	36152
Name	OJ990318_15.9819.C2.o8.gs	Method	GENSCAN
Start	31678	End	35300
GI	none	Score	.9
Exons	31678..31812, 31857..32066, 33406..33480, 33564..33626, 33757..33935, 34093..34234, 34379..34771, 34992..35300		
Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70921	Strand	-
Start	31678	End	36152
Name	OJ990318_15.9819.C2.o9.np	Method	AAT/NAP
Start	31809	End	36152
GI	3367638	Score	1364
Exons	31809..32066, 33406..33480, 33564..33626, 33757..33981, 34093..34234, 34329..34490, 34599..34771, 34992..35105, 35963..36152		
GI Descrip.	(AJ000331) monogalactosyldiacylglycerol synthase [Arabidopsis thaliana]		
Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70922	Strand	-
Start	38590	End	39373
Name	OJ990318_15.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	6028	End	6420
GI	none	Score	67
Exons	6028..6126, 6120..6419, 6130..6420		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70922	Strand	-
Start	38590	End	39373
Name	OJ990318_15.9819.C2.o6.tm	Method	TBLASTX:Maize
Start	6030	End	6249
GI	none	Score	205
Exons	6030..6227, 6031..6249, 6031..6246		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70922	Strand	-
Start	38590	End	39373
Name	OJ990318_15.9819.C2.o2.tc	Method	TBLASTX:Cress
Start	6253	End	6567
GI	none	Score	242
Exons	6253..6567, 6276..6560, 6316..6567		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70922	Strand	-
Start	38590	End	39373
Name	OJ990318_15.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	6253	End	6650
GI	none	Score	321
Exons	6253..6639, 6256..6618, 6282..6650, 6297..6647		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70922	Strand	-
Start	38590	End	39373
Name	OJ990318_15.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	6313	End	6861
GI	none	Score	316
Exons	6313..6687, 6313..6528, 6354..6575, 6640..6678, 6733..6861		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70922	Strand	-
Start	38590	End	39373
Name	OJ990318_15.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	6486	End	6924
GI	none	Score	180
Exons	6486..6662, 6487..6687, 6703..6924		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70922	Strand	-
Start	38590	End	39373
Name	OJ990318_15.9819.C2.o7.tm	Method	TBLASTX:Maize
Start	15896	End	28529
GI	none	Score	106
Exons	15896..15925, 16014..16121, 16016..16189, 28177..28206, 28296..28469, 28297..28392, 28473..28529		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70922	Strand	-
Start	38590	End	39373
Name	OJ990318_15.9819.C2.o4.ts	Method	TBLASTX:Soybean
Start	19355	End	19600
GI	none	Score	47
Exons	19355..19600, 19359..19394, 19470..19556		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70922	Strand	-
Start	38590	End	39373
Name	OJ990318_15.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	28854	End	29292
GI	none	Score	38
Exons	28854..28901, 28864..28899, 28865..28906, 28884..28937, 28890..28937, 28900..28947, 28933..29106, 28935..29072, 28936..29085, 29166..29201, 29202..29237, 29254..29292		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70922	Strand	-
Start	38590	End	39373
Name	OJ990318_15.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	31782	End	35093
GI	none	Score	181
Exons	31782..32078, 31825..32070, 33392..33478, 33404..33481, 33406..33483, 33558..33629, 33559..33621, 33560..33637, 33754..34002, 33755..33844, 33799..33984, 34085..34225, 34093..34233, 34123..34263, 34328..34471, 34328..34489, 34332..34493, 34637..34771, 34637..34774, 34650..34772, 34989..35093		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70922	Strand	-
Start	38590	End	39373
Name	OJ990318_15.9819.C2.o4.tm	Method	TBLASTX:Maize
Start	31804	End	32069
GI	none	Score	37
Exons	31804..31839, 31842..31880, 31843..31878, 31877..31891, 31878..31916, 31879..31917, 31914..31973, 31915..31959, 31917..31970, 31956..32069, 31957..32067, 31974..32069		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70922	Strand	-
Start	38590	End	39373
Name	OJ990318_15.9819.C2.o5.tm	Method	TBLASTX:Maize
Start	33404	End	33629
GI	none	Score	117
Exons	33404..33481, 33406..33483, 33558..33629, 33559..33624		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70922	Strand	-
Start	38590	End	39373
Name	OJ990318_15.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	33748	End	34242
GI	none	Score	105
Exons	33748..33984, 33749..33841, 33754..33984, 34091..34234, 34093..34242, 34093..34233		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70922	Strand	-
Start	38590	End	39373
Name	OJ990318_15.9819.C2.o3.ts	Method	TBLASTX:Soybean
Start	33895	End	34390
GI	none	Score	89
Exons	33895..34005, 33936..34004, 34055..34222, 34093..34233,		

34328..34390, 34332..34379

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70922	Strand	-
Start	38590	End	39373
Name	OJ990318_15.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	34334	End	35093
GI	none	Score	129
Exons	34334..34540, 34335..34517, 34607..34774, 34637..34774, 34989..35093		

Seq. No.	34275	Seq. ID	OJ990318_15.9819.C2
Gene No.	70922	Strand	-
Start	38590	End	39373
Name	OJ990318_15.9819.C2.o9.gs	Method	GENSCAN
Start	38590	End	39373
GI	none	Score	.83
Exons	38590..38807, 39153..39250, 39309..39373		

Seq. No.	34276	Seq. ID	OJ990318_15.9819.C3
Gene No.	70923	Strand	+
Start	2818	End	4980
Name	OJ990318_15.9819.C3.o1.gs	Method	GENSCAN
Start	2818	End	4980
GI	none	Score	.84
Exons	2818..2896, 3389..3672, 3764..3853, 3972..4073, 4741..4980		

Seq. No.	34276	Seq. ID	OJ990318_15.9819.C3
Gene No.	70924	Strand	-
Start	12924	End	13840
Name	OJ990318_15.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	12918	End	13127
GI	none	Score	124
Exons	12918..13112, 12919..13026, 13074..13127		

Seq. No.	34276	Seq. ID	OJ990318_15.9819.C3
Gene No.	70924	Strand	-
Start	12924	End	13840
Name	OJ990318_15.9819.C3.o3.gs	Method	GENSCAN
Start	12924	End	13562
GI	none	Score	.94
Exons	12924..13562		

Seq. No.	34276	Seq. ID	OJ990318_15.9819.C3
Gene No.	70924	Strand	-
Start	12924	End	13840
Name	OJ990318_15.9819.C3.o1.np	Method	AAT/NAP
Start	12930	End	13562
GI	4557062	Score	383
Exons	12930..13562		
GI Descrip.	(AC007045) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34276	Seq. ID	OJ990318_15.9819.C3
Gene No.	70924	Strand	-
Start	12924	End	13840
Name	OJ990318_15.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	12933	End	13840

GI	none	Score	81
Exons	12933..13121, 13200..13370, 13201..13371, 13380..13469, 13518..13562, 13769..13840		

Seq. No.	34276	Seq. ID	OJ990318_15.9819.C3
Gene No.	70924	Strand	-
Start	12924	End	13840
Name	OJ990318_15.9819.C3.o1.gp	Method	AAT/GAP
Start	13056	End	13388
GI	1631462	Score	579
Exons	13056..13388		

Seq. No.	34277	Seq. ID	OJ990318_15.9819.C5
Gene No.	70925	Strand	-
Start	415	End	497
Name	OJ990318_15.9819.C5.o1.gs	Method	GENSCAN
Start	415	End	497
GI	none	Score	.47
Exons	415..497		

Seq. No.	34278	Seq. ID	OJ990318_16.9819.C1
Gene No.	70926	Strand	+
Start	1	End	1010
Name	OJ990318_16.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	1000
GI	3851003	Score	225
Exons	1..50, 374..438, 874..1000		
GI Descrip.	(AF069910) pyruvate dehydrogenase E1 beta subunit isoform 3 [Zea mays]		

Seq. No.	34278	Seq. ID	OJ990318_16.9819.C1
Gene No.	70926	Strand	+
Start	1	End	1010
Name	OJ990318_16.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	375	End	999
GI	none	Score	100
Exons	375..437, 376..438, 763..999, 828..962, 868..999		

Seq. No.	34278	Seq. ID	OJ990318_16.9819.C1
Gene No.	70926	Strand	+
Start	1	End	1010
Name	OJ990318_16.9819.C1.o1.ts	Method	TBLASTX:Soybean
Start	375	End	1010
GI	none	Score	103
Exons	375..437, 376..438, 828..962, 829..999, 861..1010		

Seq. No.	34278	Seq. ID	OJ990318_16.9819.C1
Gene No.	70926	Strand	+
Start	1	End	1010
Name	OJ990318_16.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	376	End	1002
GI	none	Score	108
Exons	376..438, 376..447, 820..999, 837..959, 868..1002		

Seq. No.	34278	Seq. ID	OJ990318_16.9819.C1
Gene No.	70926	Strand	+
Start	1	End	1010

Name	OJ990318_16.9819.C1.o1.gp	Method	AAT/GAP
Start	878	End	988
GI	LIB3479-008-Q6-K1-F9	Score	197
Exons	878..988		
GI Descrip.	'3850999/gb AAC72192 9.0e-09 (AF069908) pyruvate dehydrogenase E1 beta subunit isoform 1 [Zea mays]'		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70927	Strand	+
Start	15363	End	15797
Name	OJ990318_16.9819.C4.o2.gp	Method	AAT/GAP
Start	15363	End	15797
GI	none	Score	851
Exons	15363..15797		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70928	Strand	+
Start	21967	End	24650
Name	OJ990318_16.9819.C4.o4.gs	Method	GENSCAN
Start	21967	End	24650
GI	none	Score	.48
Exons	21967..22034, 22535..22647, 22918..22965, 23523..23560, 23694..23742, 24508..24650		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70929	Strand	+
Start	27473	End	28833
Name	OJ990318_16.9819.C4.o4.gp	Method	AAT/GAP
Start	27255	End	27823
GI	8308_1.R1084	Score	853
Exons	27255..27638, 27739..27823		
GI Descrip.	'2459430 1.0e-11 (AC002332) putative CUC2 protein [Arabidopsis thaliana]'		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70929	Strand	+
Start	27473	End	28833
Name	OJ990318_16.9819.C4.o6.gs	Method	GENSCAN
Start	27473	End	28833
GI	none	Score	.96
Exons	27473..27638, 27739..28058, 28576..28833		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70930	Strand	+
Start	31260	End	37143
Name	OJ990318_16.9819.C4.o5.gp	Method	AAT/GAP
Start	30898	End	33504
GI	632_1.R1084	Score	958
Exons	30898..31109, 31260..31346, 32550..32630, 32702..32728, 32828..32890, 33007..33094, 33478..33504		
GI Descrip.	'3851003/gb AAC72194 2.0e-38 (AF069910) pyruvate dehydrogenase E1 beta subunit isoform 3 [Zea mays]'		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70930	Strand	+
Start	31260	End	37143
Name	OJ990318_16.9819.C4.o5.np	Method	AAT/NAP

Start	31071	End	36829
GI	3851001	Score	1380
Exons	31071..31109, 31260..31346, 32550..32630, 32702..32728, 32828..32890, 33007..33093, 33529..33654, 34066..34199, 34276..34348, 34546..34611, 35017..35055, 35166..35290, 35370..35484, 36764..36829		
GI Descrip.	(AF069909) pyruvate dehydrogenase E1 beta subunit isoform 2 [Zea mays]		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70930	Strand	+
Start	31260	End	37143
Name	OJ990318_16.9819.C4.o7.gs	Method	GENSCAN
Start	31260	End	36832
GI	none	Score	.92
Exons	31260..31346, 31771..31929, 32550..32630, 32702..32728, 32828..32890, 33007..33093, 33529..33654, 34066..34199, 34276..34348, 34546..34611, 35166..35290, 35370..35484, 36764..36832		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70930	Strand	+
Start	31260	End	37143
Name	OJ990318_16.9819.C4.o6.gp	Method	AAT/GAP
Start	33533	End	33643
GI	LIB3479-008-Q6-K1-F9	Score	197
Exons	33533..33643		
GI Descrip.	'3850999/gb AAC72192 9.0e-09 (AF069908) pyruvate dehydrogenase E1 beta subunit isoform 1 [Zea mays]'		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70930	Strand	+
Start	31260	End	37143
Name	OJ990318_16.9819.C4.o7.gp	Method	AAT/GAP
Start	34121	End	37143
GI	21511_1.R1084	Score	1570
Exons	34121..34199, 34276..34348, 34546..34611, 35017..35055, 35166..35290, 35370..35484, 36764..37143		
GI Descrip.	'2459431 3.0e-19 (AC002332) unknown protein [Arabidopsis thaliana]'		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70931	Strand	+
Start	38831	End	44504
Name	OJ990318_16.9819.C4.o8.gp	Method	AAT/GAP
Start	38831	End	41005
GI	426293	Score	642
Exons	38831..38958, 39970..40042, 40476..40550, 40822..40883, 40966..41005		
GI Descrip.	2459431 3.0e-19 (AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70931	Strand	+
Start	38831	End	44504
Name	OJ990318_16.9819.C4.o6.np	Method	AAT/NAP
Start	38833	End	43831

GI 2459431 Score 425
 Exons 38833..38958, 39970..40042, 40476..40550, 40822..40883,
 42106..42389, 42827..43250, 43286..43564, 43601..43831
 GI Descrip. (AC002332) unknown protein [Arabidopsis thaliana]

Seq. No. 34279 Seq. ID OJ990318_16.9819.C4
 Gene No. 70931 Strand +
 Start 38831 End 44504
 Name OJ990318_16.9819.C4.o9.gs Method GENSCAN
 Start 39982 End 43837
 GI none Score .78
 Exons 39982..40042, 40822..40883, 40966..41034, 41686..41714,
 41792..41999, 42106..42339, 42830..43837

Seq. No. 34279 Seq. ID OJ990318_16.9819.C4
 Gene No. 70931 Strand +
 Start 38831 End 44504
 Name OJ990318_16.9819.C4.o9.gp Method AAT/GAP
 Start 43569 End 44504
 GI 38680_1.R1084 Score 847
 Exons 43569..43838, 44313..44504

GI Descrip. '2459431 3.0e-19 (AC002332) unknown protein [Arabidopsis thaliana]'

Seq. No. 34279 Seq. ID OJ990318_16.9819.C4
 Gene No. 70932 Strand +
 Start 46044 End 46407
 Name OJ990318_16.9819.C4.o10.gs Method GENSCAN
 Start 46044 End 46407
 GI none Score .7
 Exons 46044..46214, 46285..46407

Seq. No. 34279 Seq. ID OJ990318_16.9819.C4
 Gene No. 70933 Strand +
 Start 49085 End 53133
 Name OJ990318_16.9819.C4.o11.gs Method GENSCAN
 Start 49085 End 53075
 GI none Score .87
 Exons 49085..50272, 50371..50622, 51016..51096, 51145..51310,
 52247..52683, 53019..53075

Seq. No. 34279 Seq. ID OJ990318_16.9819.C4
 Gene No. 70933 Strand +
 Start 49085 End 53133
 Name OJ990318_16.9819.C4.o10.gp Method AAT/GAP
 Start 51190 End 51535
 GI none Score 644
 Exons 51190..51535

Seq. No. 34279 Seq. ID OJ990318_16.9819.C4
 Gene No. 70933 Strand +
 Start 49085 End 53133
 Name OJ990318_16.9819.C4.o11.gp Method AAT/GAP
 Start 52373 End 53133
 GI none Score 795
 Exons 52373..52683, 53019..53133

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70934	Strand	-
Start	4550	End	11056
Name	OJ990318_16.9819.C4.o1.np	Method	AAT/NAP
Start	4550	End	7523
GI	3193294	Score	170
Exons	4550..4717, 4892..5532, 7466..7523		
GI Descrip.	(AF069298) similar to reverse transcriptases (Pfam: rvt.hmm, score: 53.76) [Arabidopsis thaliana]		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70934	Strand	-
Start	4550	End	11056
Name	OJ990318_16.9819.C4.o2.np	Method	AAT/NAP
Start	6756	End	11047
GI	2088650	Score	725
Exons	6756..6925, 7163..7217, 7748..7816, 8439..8542, 8629..8701, 9122..9220, 9744..9807, 10342..10472, 10621..10704, 10806..10874, 10967..11047		
GI Descrip.	(AF002109) putative peroxisomal membrane carrier protein [Arabidopsis thaliana]		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70934	Strand	-
Start	4550	End	11056
Name	OJ990318_16.9819.C4.o1.gp	Method	AAT/GAP
Start	8448	End	11056
GI	5806_1.R1084	Score	1308
Exons	8448..8546, 8633..8701, 9122..9277, 9753..9807, 10342..10472, 10621..10695, 10779..10874, 10967..11056		
GI Descrip.	'2088650 3.0e-34 (AF002109) peroxisomal ATP/ADP carrier protein isolog [Arabidopsis thaliana]'		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70935	Strand	-
Start	15574	End	18396
Name	OJ990318_16.9819.C4.o2.gs	Method	GENSCAN
Start	15574	End	18396
GI	none	Score	.93
Exons	15574..16229, 17013..17078, 17174..17271, 18026..18396		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70935	Strand	-
Start	15574	End	18396
Name	OJ990318_16.9819.C4.o3.gp	Method	AAT/GAP
Start	15928	End	17260
GI	7664_1.R1084	Score	831
Exons	15928..16229, 17013..17078, 17174..17260		
GI Descrip.	'6014904/sp Q38732 DAG_ANTMA 5.0e-13 DAG PROTEIN, CHLOROPLAST PRECURSOR >gi_1200205_emb_CAA65064_ (X95753) DAG [Antirrhinum majus]'		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70935	Strand	-
Start	15574	End	18396
Name	OJ990318_16.9819.C4.o3.np	Method	AAT/NAP
Start	16090	End	18302

GI 6648175 Score 262
Exons 16090..16229, 17013..17078, 17174..17271, 18026..18302
GI Descrip. (AC010926) DAG-like protein [Arabidopsis thaliana]

Seq. No. 34279 Seq. ID OJ990318_16.9819.C4
Gene No. 70936 Strand -
Start 18856 End 19112
Name OJ990318_16.9819.C4.o3.gs Method GENSCAN
Start 18856 End 19112
GI none Score .9
Exons 18856..19055, 19085..19112

Seq. No. 34279 Seq. ID OJ990318_16.9819.C4
Gene No. 70937 Strand -
Start 38728 End 39689
Name OJ990318_16.9819.C4.o8.gs Method GENSCAN
Start 38728 End 39689
GI none Score .73
Exons 38728..39226, 39574..39689

Seq. No. 34279 Seq. ID OJ990318_16.9819.C4
Gene No. 70938 Strand -
Start 53647 End 64689
Name OJ990318_16.9819.C4.o14.tm Method TBLASTX:Maize
Start 4322 End 5038
GI none Score 91
Exons 4322..4513, 4535..4708, 4553..4708, 4886..4939, 4958..5038

Seq. No. 34279 Seq. ID OJ990318_16.9819.C4
Gene No. 70938 Strand -
Start 53647 End 64689
Name OJ990318_16.9819.C4.o7.tm Method TBLASTX:Maize
Start 5132 End 23442
GI none Score 141
Exons 5132..5215, 5222..5533, 5235..5537, 23347..23442

Seq. No. 34279 Seq. ID OJ990318_16.9819.C4
Gene No. 70938 Strand -
Start 53647 End 64689
Name OJ990318_16.9819.C4.o1.tw Method TBLASTX:Wheat
Start 5351 End 23697
GI none Score 65
Exons 5351..5479, 23146..23244, 23335..23697, 23338..23541, 23348..23602

Seq. No. 34279 Seq. ID OJ990318_16.9819.C4
Gene No. 70938 Strand -
Start 53647 End 64689
Name OJ990318_16.9819.C4.o1.ts Method TBLASTX:Soybean
Start 5378 End 23847
GI none Score 74
Exons 5378..5464, 23320..23484, 23348..23485, 23494..23847, 23495..23728

Seq. No. 34279 Seq. ID OJ990318_16.9819.C4
Gene No. 70938 Strand -
Start 53647 End 64689

Name	OJ990318_16.9819.C4.o10.tm	Method	TBLASTX:Maize
Start	6723	End	6942
GI	none	Score	173
Exons	6723..6938, 6724..6942		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o7.ts	Method	TBLASTX:Soybean
Start	6753	End	6927
GI	none	Score	130
Exons	6753..6926, 6754..6927		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o5.tc	Method	TBLASTX:Cress
Start	6765	End	8701
GI	none	Score	93
Exons	6765..6926, 6798..6917, 6820..6927, 7739..7819, 7752..7814, 8472..8546, 8508..8546, 8627..8701, 8628..8699		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o12.tm	Method	TBLASTX:Maize
Start	8430	End	10687
GI	none	Score	141
Exons	8430..8546, 8437..8547, 8437..8547, 8438..8548, 8630..8701, 8631..8696, 8632..8700, 9100..9279, 9122..9211, 9122..9295, 9123..9278, 9124..9279, 9747..9806, 9754..9807, 10321..10473, 10321..10389, 10325..10480, 10341..10472, 10621..10686, 10622..10687		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o15.tm	Method	TBLASTX:Maize
Start	15574	End	16179
GI	none	Score	38
Exons	15574..15642, 15642..15749, 15690..15716, 15719..15736, 15743..15811, 15756..15857, 15761..15853, 15796..15897, 15803..15889, 15904..15942, 15910..15957, 16012..16179, 16019..16177		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o5.ts	Method	TBLASTX:Soybean
Start	15928	End	18234
GI	none	Score	38
Exons	15928..15981, 16042..16221, 16067..16231, 16077..16238, 16169..16231, 17008..17091, 17012..17092, 17163..17303, 17200..17274, 18026..18082, 18028..18081, 18115..18171, 18115..18234		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
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Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	16058	End	18129
GI	none	Score	184
Exons	16058..16231, 16069..16230, 17007..17081, 17008..17085, 17012..17080, 17173..17265, 17175..17273, 17175..17303, 18026..18082, 18028..18129		
Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o3.tc	Method	TBLASTX:Cress
Start	16072	End	18234
GI	none	Score	136
Exons	16072..16227, 16168..16230, 16172..16231, 16995..17081, 17008..17085, 17012..17080, 17173..17277, 17175..17303, 17200..17274, 18026..18082, 18028..18081, 18115..18171, 18115..18234, 18149..18217		
Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o6.tm	Method	TBLASTX:Maize
Start	16180	End	18240
GI	none	Score	72
Exons	16180..16230, 16184..16231, 16951..17085, 17012..17080, 17169..17273, 17169..17303, 18019..18171, 18026..18220, 18028..18240		
Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o13.tm	Method	TBLASTX:Maize
Start	22978	End	24198
GI	none	Score	95
Exons	22978..23247, 22991..23248, 24010..24099, 24172..24198		
Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	23497	End	24006
GI	none	Score	83
Exons	23497..24006, 23587..23913, 23819..23929		
Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o4.tw	Method	TBLASTX:Wheat
Start	24132	End	24483
GI	none	Score	218
Exons	24132..24389, 24172..24483		
Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689

Name	OJ990318_16.9819.C4.o18.tm	Method	TBLASTX:Maize
Start	24199	End	24516
GI	none	Score	151
Exons	24199..24345, 24343..24384, 24397..24516		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o3.tw	Method	TBLASTX:Wheat
Start	27476	End	27643
GI	none	Score	168
Exons	27476..27643, 27481..27642		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o8.tm	Method	TBLASTX:Maize
Start	27490	End	27883
GI	none	Score	170
Exons	27490..27642, 27491..27643, 27731..27805, 27744..27875, 27785..27883		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	32547	End	36808
GI	none	Score	125
Exons	32547..32633, 32547..32630, 32699..32731, 32825..32890, 32827..32889, 33004..33093, 33006..33092, 33418..33654, 33483..33605, 33523..33654, 34060..34191, 34063..34206, 34065..34205, 34277..34351, 34278..34343, 34279..34344, 34546..34611, 34972..35061, 35016..35060, 35163..35279, 35164..35289, 35165..35287, 35166..35324, 35373..35480, 35374..35487, 36761..36808		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o3.ts	Method	TBLASTX:Soybean
Start	32547	End	36832
GI	none	Score	129
Exons	32547..32633, 32547..32630, 32569..32631, 32699..32731, 32701..32727, 32825..32890, 32827..32889, 32835..32924, 33004..33093, 33006..33092, 33483..33605, 33484..33654, 34060..34206, 34063..34206, 34277..34351, 34279..34347, 34542..34607, 34546..34611, 35014..35061, 35016..35066, 35165..35287, 35166..35324, 35369..35428, 35370..35432, 35370..35441, 35374..35442, 35430..35486, 35431..35487, 35470..35487, 36760..36831, 36761..36832		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	32547	End	36853
GI	none	Score	130

Exons	32547..32633, 32547..32630, 32699..32731, 32701..32727, 32825..32890, 32827..32889, 33004..33093, 33006..33092, 33484..33654, 33510..33653, 34059..34160, 34063..34206, 34063..34206, 34065..34214, 34276..34344, 34277..34351, 34545..34610, 34546..34611, 34972..35061, 34999..35061, 35010..35066, 35012..35074, 35163..35288, 35164..35298, 35165..35290, 35166..35324, 35176..35301, 35370..35486, 35370..35486, 35371..35487, 35384..35518, 36761..36853
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Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	40824	End	42330
GI	none	Score	71
Exons	40824..40889, 40966..41034, 41659..41715, 41685..41714, 41790..42002, 41831..41998, 42094..42246, 42111..42188, 42136..42219, 42268..42330		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	41673	End	42313
GI	none	Score	64
Exons	41673..41711, 41674..41715, 41684..41713, 41770..41994, 41789..41998, 41790..42020, 41791..41994, 41792..41995, 41796..42011, 42094..42267, 42103..42264, 42263..42313		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	41850	End	42249
GI	none	Score	176
Exons	41850..42002, 41855..41995, 42094..42249, 42111..42188		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o5.tm	Method	TBLASTX:Maize
Start	42822	End	43167
GI	none	Score	188
Exons	42822..43016, 42827..43057, 42828..43067, 42839..43051, 43049..43162, 43058..43162, 43059..43166, 43071..43166, 43072..43167		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	43169	End	43839
GI	none	Score	60
Exons	43169..43219, 43176..43214, 43182..43400, 43187..43348, 43219..43404, 43224..43391, 43402..43605, 43412..43609, 43422..43640, 43445..43606, 43603..43641, 43610..43642, 43629..43679, 43636..43695, 43636..43686, 43637..43723,		

43640..43723, 43700..43837, 43701..43838, 43738..43839

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o16.tm	Method	TBLASTX:Maize
Start	49073	End	49741
GI	none	Score	212
Exons	49073..49441, 49085..49489, 49156..49482, 49450..49704, 49453..49704, 49454..49741, 49457..49741		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o4.ts	Method	TBLASTX:Soybean
Start	50140	End	50619
GI	none	Score	106
Exons	50140..50268, 50141..50272, 50361..50507, 50368..50619, 50580..50612		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o9.tm	Method	TBLASTX:Maize
Start	51015	End	53081
GI	none	Score	145
Exons	51015..51113, 51016..51096, 51025..51114, 51027..51104, 52248..52310, 52279..52488, 52315..52470, 52432..52686, 52466..52681, 52474..52683, 52518..52685, 53016..53081, 53018..53077		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o12.gp	Method	AAT/GAP
Start	53535	End	54344
GI	LIB3434-025-P1-K1-E4	Score	1012
Exons	53535..53837, 54018..54180, 54270..54344		
GI Descrip.	'3776557 4.0e-24 (AC005388) Contains similarity to gi_2924495 hypothetical protein Rv1920 from Mycobacterium tuberculosis genome gb_AL022020. [Arabidopsis thaliana]'		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o17.tm	Method	TBLASTX:Maize
Start	53635	End	53801
GI	none	Score	128
Exons	53635..53796, 53647..53796, 53655..53801		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o12.gs	Method	GENSCAN
Start	53647	End	64689
GI	none	Score	.83
Exons	53647..53837, 54018..54127, 54270..54355, 54648..54761,		

54935..55304, 55454..55584, 55866..55974, 56139..56260,
 56351..56457, 56685..56789, 57309..57364, 57438..57489,
 58512..58808, 59962..60077, 60384..60578, 61084..61385,
 61390..61488, 62141..62237, 62381..62628, 63207..63434,
 64057..64689

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o7.np	Method	AAT/NAP
Start	53650	End	58551
GI	3776557	Score	1122
Exons	53650..53837, 54018..54133, 54270..54355, 54648..54761, 54935..55278, 55425..55584, 55866..55974, 56139..56362, 56680..56789, 56892..57050, 57309..57364, 57438..57489, 58409..58551		
GI Descrip.	(AC005388) Contains similarity to gi 2924495 hypothetical protein Rv1920 from Mycobacterium tuberculosis genome gb AL022020. [Arabidopsis thaliana]		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o4.tc	Method	TBLASTX:Cress
Start	53653	End	53838
GI	none	Score	70
Exons	53653..53796, 53653..53838		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o8.ts	Method	TBLASTX:Soybean
Start	53653	End	54093
GI	none	Score	93
Exons	53653..53838, 54016..54093		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o6.ts	Method	TBLASTX:Soybean
Start	55061	End	55584
GI	none	Score	127
Exons	55061..55321, 55158..55292, 55480..55584		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o9.ts	Method	TBLASTX:Soybean
Start	56204	End	57048
GI	none	Score	111
Exons	56204..56272, 56858..56995, 56893..57048		

Seq. No.	34279	Seq. ID	OJ990318_16.9819.C4
Gene No.	70938	Strand	-
Start	53647	End	64689
Name	OJ990318_16.9819.C4.o11.tm	Method	TBLASTX:Maize
Start	62141	End	63437

GI	none	Score	118
Exons	62141..62239, 62142..62240, 62337..62435, 62341..62436, 62354..62428, 62551..62643, 63204..63437, 63204..63437		

Seq. No.	34280	Seq. ID	OJ990318_16.9819.C5
Gene No.	70939	Strand	+
Start	1874	End	5324
Name	OJ990318_16.9819.C5.o1.gs	Method	GENSCAN
Start	1874	End	5324
GI	none	Score	.55
Exons	1874..1934, 2100..2205, 2689..2817, 3996..4122, 4986..5324		

Seq. No.	34280	Seq. ID	OJ990318_16.9819.C5
Gene No.	70939	Strand	+
Start	1874	End	5324
Name	OJ990318_16.9819.C5.o1.gp	Method	AAT/GAP
Start	2055	End	2488
GI	none	Score	818
Exons	2055..2488		

Seq. No.	34280	Seq. ID	OJ990318_16.9819.C5
Gene No.	70940	Strand	+
Start	9557	End	12005
Name	OJ990318_16.9819.C5.o2.gp	Method	AAT/GAP
Start	9557	End	12005
GI	34257_1.R1084	Score	1028
Exons	9557..9691, 9969..10227, 11854..12005		
GI Descrip.	'1655637/emb CAA90889 2.0e-16 (Z54179) orf [Mus musculus]'		

Seq. No.	34280	Seq. ID	OJ990318_16.9819.C5
Gene No.	70941	Strand	+
Start	12580	End	15595
Name	OJ990318_16.9819.C5.o3.gs	Method	GENSCAN
Start	12580	End	14538
GI	none	Score	.81
Exons	12580..12616, 12711..12876, 13600..13631, 14237..14478, 14515..14538		

Seq. No.	34280	Seq. ID	OJ990318_16.9819.C5
Gene No.	70941	Strand	+
Start	12580	End	15595
Name	OJ990318_16.9819.C5.o3.gp	Method	AAT/GAP
Start	12738	End	14424
GI	3061139	Score	731
Exons	12738..12876, 13415..13508, 13600..13631, 14237..14424		
GI Descrip.	1655637/emb CAA90889 2.0e-16 (Z54179) orf [Mus musculus]		

Seq. No.	34280	Seq. ID	OJ990318_16.9819.C5
Gene No.	70941	Strand	+
Start	12580	End	15595
Name	OJ990318_16.9819.C5.o1.np	Method	AAT/NAP
Start	13456	End	15413
GI	5138930	Score	741
Exons	13456..13508, 13600..13631, 14237..14478, 15162..15413		
GI Descrip.	(AF093680) transcription factor IIB [Homo sapiens]		

Seq. No.	34280	Seq. ID	OJ990318_16.9819.C5
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Gene No.	70941	Strand	+
Start	12580	End	15595
Name	OJ990318_16.9819.C5.o4.gp	Method	AAT/GAP
Start	15135	End	15595
GI	LIB3432-020-P1-K1-H7	Score	657
Exons	15135..15398, 15492..15595		
GI Descrip.	'1655637/emb CAA90889 5.0e-37 (Z54179) orf [Mus musculus]'		

Seq. No.	34280	Seq. ID	OJ990318_16.9819.C5
Gene No.	70942	Strand	-
Start	6529	End	10183
Name	OJ990318_16.9819.C5.o2.gs	Method	GENSCAN
Start	6529	End	10183
GI	none	Score	.73
Exons	6529..6686, 8608..8860, 8909..9121, 9490..9750, 9752..9956, 10017..10183		

Seq. No.	34280	Seq. ID	OJ990318_16.9819.C5
Gene No.	70943	Strand	-
Start	15427	End	15777
Name	OJ990318_16.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	13452	End	15329
GI	none	Score	68
Exons	13452..13505, 13452..13508, 13456..13509, 13590..13634, 13597..13635, 13599..13631, 14227..14478, 14228..14311, 14232..14495, 14242..14478, 15128..15313, 15155..15328, 15156..15329		

Seq. No.	34280	Seq. ID	OJ990318_16.9819.C5
Gene No.	70943	Strand	-
Start	15427	End	15777
Name	OJ990318_16.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	13453	End	15401
GI	none	Score	92
Exons	13453..13509, 13455..13514, 13580..13630, 13591..13629, 14232..14483, 14242..14484, 15162..15401, 15165..15401		

Seq. No.	34280	Seq. ID	OJ990318_16.9819.C5
Gene No.	70943	Strand	-
Start	15427	End	15777
Name	OJ990318_16.9819.C5.o4.gs	Method	GENSCAN
Start	15427	End	15777
GI	none	Score	.63
Exons	15427..15777		

Seq. No.	34281	Seq. ID	OJ990318_17.9819.C2
Gene No.	70944	Strand	+
Start	509	End	577
Name	OJ990318_17.9819.C2.o1.np	Method	AAT/NAP
Start	509	End	577
GI	2498930	Score	67
Exons	509..577		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gil1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	34281	Seq. ID	OJ990318_17.9819.C2
Gene No.	70945	Strand	+

Start	518	End	577
Name	OJ990318_17.9819.C2.o1.gs	Method	GENSCAN
Start	518	End	577
GI	none	Score	.94
Exons	518..577		
Seq. No.	34282	Seq. ID	OJ990318_17.9819.C3
Gene No.	70946	Strand	+
Start	1	End	775
Name	OJ990318_17.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	775
GI	2498930	Score	1234
Exons	1..775		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	34282	Seq. ID	OJ990318_17.9819.C3
Gene No.	70946	Strand	+
Start	1	End	775
Name	OJ990318_17.9819.C3.o1.gs	Method	GENSCAN
Start	58	End	711
GI	none	Score	.85
Exons	58..711		
Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70947	Strand	+
Start	10578	End	24051
Name	OJ990318_17.9819.C4.o1.np	Method	AAT/NAP
Start	10578	End	12052
GI	5852182	Score	370
Exons	10578..10641, 11720..12052		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70947	Strand	+
Start	10578	End	24051
Name	OJ990318_17.9819.C4.o3.gs	Method	GENSCAN
Start	11912	End	24051
GI	none	Score	.47
Exons	11912..12387, 13009..14267, 15419..15630, 16109..16538, 17160..17803, 18339..18438, 18911..19212, 19938..20185, 22878..23062, 24041..24051		
Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70947	Strand	+
Start	10578	End	24051
Name	OJ990318_17.9819.C4.o2.np	Method	AAT/NAP
Start	12507	End	14442
GI	6742729	Score	2706
Exons	12507..14442		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70948	Strand	-
Start	19781	End	20132
Name	OJ990318_17.9819.C4.o6.tw	Method	TBLASTX:Wheat
Start	12059	End	12386

GI	none	Score	93
Exons	12059..12169, 12152..12358, 12160..12360, 12363..12386		
Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70948	Strand	-
Start	19781	End	20132
Name	OJ990318_17.9819.C4.o6.tm	Method	TBLASTX:Maize
Start	12095	End	12308
GI	none	Score	69
Exons	12095..12166, 12167..12307, 12174..12308, 12181..12306, 12185..12307		

Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70948	Strand	-
Start	19781	End	20132
Name	OJ990318_17.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	12335	End	12746
GI	none	Score	37
Exons	12335..12367, 12363..12392, 12393..12455, 12450..12746, 12485..12733		

Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70948	Strand	-
Start	19781	End	20132
Name	OJ990318_17.9819.C4.o2.tc	Method	TBLASTX:Cress
Start	12465	End	12785
GI	none	Score	252
Exons	12465..12785, 12488..12631, 12642..12767		

Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70948	Strand	-
Start	19781	End	20132
Name	OJ990318_17.9819.C4.o2.tw	Method	TBLASTX:Wheat
Start	12610	End	13080
GI	none	Score	58
Exons	12610..12762, 12615..12671, 12668..12769, 12669..12773, 12766..12870, 12773..12871, 12790..12876, 12851..13075, 12872..13075, 12874..13080		

Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70948	Strand	-
Start	19781	End	20132
Name	OJ990318_17.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	12663	End	13114
GI	none	Score	92
Exons	12663..12791, 12672..12791, 12773..12910, 12781..12909, 12920..13114		

Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70948	Strand	-
Start	19781	End	20132
Name	OJ990318_17.9819.C4.o3.tw	Method	TBLASTX:Wheat
Start	13199	End	13609
GI	none	Score	88
Exons	13199..13261, 13201..13248, 13267..13443, 13271..13489, 13278..13490, 13523..13609, 13525..13602		

Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70948	Strand	-
Start	19781	End	20132
Name	OJ990318_17.9819.C4.o1.tw	Method	TBLASTX:Wheat
Start	13610	End	14440
GI	none	Score	881
Exons	13610..14440, 13610..14077, 13651..14241, 14123..14431		

Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70948	Strand	-
Start	19781	End	20132
Name	OJ990318_17.9819.C4.o4.tm	Method	TBLASTX:Maize
Start	13652	End	13966
GI	none	Score	295
Exons	13652..13966, 13663..13947		

Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70948	Strand	-
Start	19781	End	20132
Name	OJ990318_17.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	13891	End	14344
GI	none	Score	127
Exons	13891..14217, 13897..14241, 13901..14344, 14123..14344		

Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70948	Strand	-
Start	19781	End	20132
Name	OJ990318_17.9819.C4.o4.tw	Method	TBLASTX:Wheat
Start	17567	End	17893
GI	none	Score	345
Exons	17567..17893, 17632..17889, 17669..17893		

Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70948	Strand	-
Start	19781	End	20132
Name	OJ990318_17.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	18739	End	19536
GI	none	Score	189
Exons	18739..19047, 18942..19046, 19092..19136, 19096..19398, 19417..19536		

Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70948	Strand	-
Start	19781	End	20132
Name	OJ990318_17.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	19177	End	19737
GI	none	Score	54
Exons	19177..19233, 19276..19404, 19297..19341, 19414..19524, 19425..19523, 19596..19661, 19600..19737		

Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70948	Strand	-
Start	19781	End	20132
Name	OJ990318_17.9819.C4.o3.tm	Method	TBLASTX:Maize
Start	19537	End	19911
GI	none	Score	195
Exons	19537..19740, 19539..19739, 19546..19740, 19735..19803,		

19746..19793, 19800..19910, 19804..19911

Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70948	Strand	-
Start	19781	End	20132
Name	OJ990318_17.9819.C4.o5.tw	Method	TBLASTX:Wheat
Start	19549	End	19865
GI	none	Score	283
Exons	19549..19863, 19570..19806, 19572..19865		

Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70948	Strand	-
Start	19781	End	20132
Name	OJ990318_17.9819.C4.o2.gp	Method	AAT/GAP
Start	19781	End	20132
GI	none	Score	555
Exons	19781..20132		

Seq. No.	34283	Seq. ID	OJ990318_17.9819.C4
Gene No.	70949	Strand	-
Start	20154	End	20468
Name	OJ990318_17.9819.C4.o5.tm	Method	TBLASTX:Maize
Start	20154	End	20468
GI	none	Score	256
Exons	20154..20468, 20154..20300		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70950	Strand	+
Start	526	End	696
Name	OJ990318_17.9819.C5.o1.gp	Method	AAT/GAP
Start	526	End	696
GI	10431_1.R1084	Score	303
Exons	526..696		
GI Descrip.	'1256198/dbj D63711 RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70951	Strand	+
Start	11881	End	17974
Name	OJ990318_17.9819.C5.o1.np	Method	AAT/NAP
Start	11881	End	17974
GI	5922631	Score	6608
Exons	11881..12005, 12264..12515, 12774..12976, 13022..13593, 13636..13787, 13914..14840, 15446..17974		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa] gi 6016864 dbj BAA85207.1 (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70951	Strand	+
Start	11881	End	17974
Name	OJ990318_17.9819.C5.o2.gs	Method	GENSCAN
Start	11881	End	14848

GI	none	Score	.93
Exons	11881..12220, 12225..13639, 13649..14848		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70951	Strand	+
Start	11881	End	17974
Name	OJ990318_17.9819.C5.o3.gs	Method	GENSCAN
Start	15340	End	17938
GI	none	Score	.66
Exons	15340..16850, 16901..17472, 17616..17938		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70952	Strand	-
Start	11017	End	11171
Name	OJ990318_17.9819.C5.o2.gp	Method	AAT/GAP
Start	11017	End	11171
GI	uC-osflcyp039h04b1	Score	261
Exons	11017..11171		
GI Descrip.	'1617274/emb CAA96522 1.0e-09 (Z72152) AMP-binding protein [Brassica napus]'		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609
Name	OJ990318_17.9819.C5.o10.tw	Method	TBLASTX:Wheat
Start	1867	End	2112
GI	none	Score	207
Exons	1867..2112, 1990..2109		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609
Name	OJ990318_17.9819.C5.o5.tm	Method	TBLASTX:Maize
Start	2215	End	2509
GI	none	Score	169
Exons	2215..2328, 2216..2404, 2258..2389, 2395..2487, 2396..2509		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609
Name	OJ990318_17.9819.C5.o9.tw	Method	TBLASTX:Wheat
Start	13175	End	13543
GI	none	Score	156
Exons	13175..13393, 13204..13338, 13389..13442, 13400..13543		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609
Name	OJ990318_17.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	14180	End	14977
GI	none	Score	134
Exons	14180..14356, 14401..14637, 14405..14635, 14684..14977, 14812..14973		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609

Name	OJ990318_17.9819.C5.o6.tw	Method	TBLASTX:Wheat
Start	14978	End	15253
GI	none	Score	332
Exons	14978..15253, 14998..15246, 14999..15253		
Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609
Name	OJ990318_17.9819.C5.o3.tm	Method	TBLASTX:Maize
Start	14987	End	15342
GI	none	Score	268
Exons	14987..15253, 15028..15252, 15238..15342, 15258..15332		
Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609
Name	OJ990318_17.9819.C5.o8.tw	Method	TBLASTX:Wheat
Start	15255	End	15426
GI	none	Score	103
Exons	15255..15419, 15255..15425, 15256..15426		
Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609
Name	OJ990318_17.9819.C5.o2.tw	Method	TBLASTX:Wheat
Start	15427	End	15851
GI	none	Score	439
Exons	15427..15846, 15471..15851		
Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609
Name	OJ990318_17.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	15475	End	15906
GI	none	Score	302
Exons	15475..15906, 15522..15647, 15538..15819, 15702..15872		
Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609
Name	OJ990318_17.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	15573	End	16017
GI	none	Score	64
Exons	15573..15773, 15573..15827, 15574..15828, 15574..15828, 15849..15980, 15850..15993, 15991..16017		
Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609
Name	OJ990318_17.9819.C5.o7.tw	Method	TBLASTX:Wheat
Start	15855	End	16137
GI	none	Score	264
Exons	15855..15932, 15856..16137, 15865..15957, 16045..16125		
Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609

Name	OJ990318_17.9819.C5.o2.ts	Method	TBLASTX:Sc:bean
Start	16132	End	16520
GI	none	Score	87
Exons	16132..16236, 16140..16226, 16276..16518, 16281..16520		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609
Name	OJ990318_17.9819.C5.o3.tw	Method	TBLASTX:Wheat
Start	16141	End	16563
GI	none	Score	398
Exons	16141..16563, 16146..16487		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609
Name	OJ990318_17.9819.C5.o11.tw	Method	TBLASTX:Wheat
Start	16579	End	16878
GI	none	Score	136
Exons	16579..16713, 16582..16722, 16738..16878		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609
Name	OJ990318_17.9819.C5.o4.tw	Method	TBLASTX:Wheat
Start	16882	End	17272
GI	none	Score	76
Exons	16882..17202, 16893..17270, 16895..17194, 17139..17270, 17225..17272		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609
Name	OJ990318_17.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	16896	End	17201
GI	none	Score	401
Exons	16896..17201, 16898..17188		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609
Name	OJ990318_17.9819.C5.o5.tw	Method	TBLASTX:Wheat
Start	17385	End	17980
GI	none	Score	142
Exons	17385..17561, 17405..17491, 17567..17875, 17569..17646, 17861..17980		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609
Name	OJ990318_17.9819.C5.o4.tm	Method	TBLASTX:Maize
Start	17705	End	17959
GI	none	Score	167
Exons	17705..17878, 17818..17877, 17857..17958, 17858..17959		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-

Start	18358	End	23609
Name	OJ990318_17.9819.C5.o4.gs	Method	GENSCAN
Start	18358	End	23609
GI	none	Score	.75
Exons	18358..18809, 18883..18996, 19059..19276, 19432..19547, 19584..19718, 19759..19942, 20025..20314, 20399..20733, 21208..21320, 23542..23609		

Seq. No.	34284	Seq. ID	OJ990318_17.9819.C5
Gene No.	70953	Strand	-
Start	18358	End	23609
Name	OJ990318_17.9819.C5.o2.np	Method	AAT/NAP
Start	18370	End	21282
GI	6691716	Score	2530
Exons	18370..18809, 18883..18996, 19146..19248, 19323..19510, 19584..19765, 19842..19942, 20025..20186, 20376..21282		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70954	Strand	+
Start	11880	End	23970
Name	OJ990318_17.9819.C6.o1.gp	Method	AAT/GAP
Start	11332	End	12110
GI	uC-osflcyp157b01b1	Score	1089
Exons	11332..11528, 11624..11974, 12073..12110		
GI Descrip.	'3337350 3.0e-10 (AC004481) putative permease [Arabidopsis thaliana]'		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70954	Strand	+
Start	11880	End	23970
Name	OJ990318_17.9819.C6.o1.np	Method	AAT/NAP
Start	11880	End	15998
GI	3337350	Score	1803
Exons	11880..11973, 12073..12170, 12324..12500, 12619..12719, 13126..13201, 13995..14239, 14327..14423, 14500..14586, 14775..14833, 14919..15010, 15085..15162, 15254..15414, 15789..15998		
GI Descrip.	(AC004481) putative membrane transporter [Arabidopsis thaliana]		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70954	Strand	+
Start	11880	End	23970
Name	OJ990318_17.9819.C6.o2.gs	Method	GENSCAN
Start	11880	End	17268
GI	none	Score	.62
Exons	11880..11973, 12073..12170, 12324..12500, 12619..12719, 13126..13261, 13995..14239, 14327..14423, 14500..14586, 14775..14833, 14919..15010, 15085..15162, 15254..15414, 15789..15907, 16594..16627, 17152..17268		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70954	Strand	+
Start	11880	End	23970
Name	OJ990318_17.9819.C6.o2.np	Method	AAT/NAP

Start	15071	End	19778
GI	4680186	Score	363
Exons	15071..15089, 17160..17317, 17919..18213, 19654..19778		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70954	Strand	+
Start	11880	End	23970
Name	OJ990318_17.9819.C6.o3.np	Method	AAT/NAP
Start	19604	End	23970
GI	6069653	Score	479
Exons	19604..19974, 20053..20352, 20487..20553, 23165..23721, 23911..23970		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70954	Strand	+
Start	11880	End	23970
Name	OJ990318_17.9819.C6.o4.np	Method	AAT/NAP
Start	21673	End	23690
GI	2500584	Score	60
Exons	21673..21694, 23221..23690		
GI Descrip.	RNA-BINDING PROTEIN FUS/TLS (NUCLEAR ANTIGEN) (PIGPEN) gi 1172095 (U26024) pigpen [Bos taurus]		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70955	Strand	-
Start	2423	End	3478
Name	OJ990318_17.9819.C6.o1.gs	Method	GENSCAN
Start	2423	End	3478
GI	none	Score	.71
Exons	2423..2697, 3205..3310, 3407..3478		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70956	Strand	-
Start	15834	End	16299
Name	OJ990318_17.9819.C6.o2.gp	Method	AAT/GAP
Start	15834	End	16299
GI	uC-osflcyp157b01a1	Score	920
Exons	15834..16299		
GI Descrip.	'3337350 1.0e-22 (AC004481) putative permease [Arabidopsis thaliana]'		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70957	Strand	-
Start	18377	End	23850
Name	OJ990318_17.9819.C6.o2.tm	Method	TBLASTX:Maize
Start	7693	End	8604
GI	none	Score	410
Exons	7693..8466, 8031..8072, 8180..8194, 8235..8360, 8467..8604		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70957	Strand	-
Start	18377	End	23850
Name	OJ990318_17.9819.C6.o5.tm	Method	TBLASTX:Maize
Start	8605	End	8933
GI	none	Score	37

Exons 8605..8619, 8633..8701, 8634..8792, 8753..8773, 8775..8840,
8799..8855, 8846..8932, 8847..8933

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70957	Strand	-
Start	18377	End	23850
Name	OJ990318_17.9819.C6.o1.tw	Method	TBLASTX:Wheat
Start	8618	End	8879
GI	none	Score	275
Exons	8618..8680, 8637..8879, 8757..8867		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70957	Strand	-
Start	18377	End	23850
Name	OJ990318_17.9819.C6.o7.tm	Method	TBLASTX:Maize
Start	11928	End	12183
GI	none	Score	90
Exons	11928..11975, 11929..11973, 11936..11974, 12071..12175, 12072..12173, 12087..12176, 12088..12183		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70957	Strand	-
Start	18377	End	23850
Name	OJ990318_17.9819.C6.o6.tm	Method	TBLASTX:Maize
Start	12353	End	13204
GI	none	Score	69
Exons	12353..12400, 12354..12401, 12395..12493, 12396..12497, 12405..12497, 12611..12730, 12616..12741, 12618..12728, 13108..13203, 13124..13204		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70957	Strand	-
Start	18377	End	23850
Name	OJ990318_17.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	13108	End	15158
GI	none	Score	92
Exons	13108..13203, 13124..13204, 13995..14249, 14006..14062, 14087..14233, 14327..14422, 14328..14423, 14485..14604, 14503..14601, 14771..14833, 14774..14833, 14919..15011, 14920..15012, 15078..15158, 15083..15157		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70957	Strand	-
Start	18377	End	23850
Name	OJ990318_17.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	13992	End	14547
GI	none	Score	54
Exons	13992..14030, 13997..14023, 14024..14251, 14025..14246, 14026..14253, 14311..14409, 14312..14410, 14318..14428, 14319..14429, 14485..14547, 14508..14546		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70957	Strand	-
Start	18377	End	23850
Name	OJ990318_17.9819.C6.o2.tc	Method	TBLASTX:Cress
Start	14031	End	14553
GI	none	Score	184

Exons 14031..14249, 14039..14239, 14325..14423, 14328..14423,
14485..14553, 14502..14552

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70957	Strand	-
Start	18377	End	23850
Name	OJ990318_17.9819.C6.o4.tm	Method	TBLASTX:Maize
Start	14550	End	15429
GI	none	Score	66
Exons	14550..14612, 14551..14607, 14771..14833, 14774..14833, 14919..15014, 14920..15012, 15078..15164, 15083..15166, 15261..15413, 15262..15429		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70957	Strand	-
Start	18377	End	23850
Name	OJ990318_17.9819.C6.o1.tc	Method	TBLASTX:Cress
Start	14774	End	15992
GI	none	Score	53
Exons	14774..14833, 14801..14833, 14932..15012, 14944..15000, 15078..15164, 15083..15163, 15229..15414, 15255..15407, 15789..15887, 15888..15992, 15896..15991		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70957	Strand	-
Start	18377	End	23850
Name	OJ990318_17.9819.C6.o2.tw	Method	TBLASTX:Wheat
Start	14970	End	15926
GI	none	Score	66
Exons	14970..15011, 14971..15063, 15077..15163, 15078..15164, 15208..15429, 15789..15887, 15888..15926		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70957	Strand	-
Start	18377	End	23850
Name	OJ990318_17.9819.C6.o2.ts	Method	TBLASTX:Soybean
Start	15252	End	15992
GI	none	Score	157
Exons	15252..15413, 15253..15414, 15271..15414, 15765..15971, 15789..15992		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70957	Strand	-
Start	18377	End	23850
Name	OJ990318_17.9819.C6.o3.tm	Method	TBLASTX:Maize
Start	15789	End	16007
GI	none	Score	359
Exons	15789..16007, 15789..15992		

Seq. No.	34285	Seq. ID	OJ990318_17.9819.C6
Gene No.	70957	Strand	-
Start	18377	End	23850
Name	OJ990318_17.9819.C6.o3.gs	Method	GENSCAN
Start	18377	End	23850
GI	none	Score	.63
Exons	18377..18501, 19261..19419, 19465..19578, 19687..19862, 20108..20139, 22992..23153, 23332..23457, 23463..23589,		

23846..23850

Seq. No.	34286	Seq. ID	OJ990318_17.9819.C7
Gene No.	70958	Strand	+
Start	1780	End	17334
Name	OJ990318_17.9819.C7.o2.gs	Method	GENSCAN
Start	1780	End	17334
GI	none	Score	.58
Exons	1780..1987, 2130..2301, 2400..2749, 3995..4045, 4768..4932, 5660..5804, 10191..10471, 11214..11757, 12163..12427, 12481..12559, 13201..13317, 13867..13935, 14581..14817, 14918..15313, 15509..15786, 15953..16078, 16558..16659, 16863..16957, 17253..17334		

Seq. No.	34286	Seq. ID	OJ990318_17.9819.C7
Gene No.	70958	Strand	+
Start	1780	End	17334
Name	OJ990318_17.9819.C7.o3.np	Method	AAT/NAP
Start	14524	End	14791
GI	6539588	Score	88
Exons	14524..14791		

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No.	34286	Seq. ID	OJ990318_17.9819.C7
Gene No.	70959	Strand	-
Start	359	End	1148
Name	OJ990318_17.9819.C7.o1.gs	Method	GENSCAN
Start	359	End	1148
GI	none	Score	.55
Exons	359..567, 648..978, 1092..1148		

Seq. No.	34286	Seq. ID	OJ990318_17.9819.C7
Gene No.	70960	Strand	-
Start	9802	End	12550
Name	OJ990318_17.9819.C7.o1.np	Method	AAT/NAP
Start	9802	End	12550
GI	4584355	Score	179
Exons	9802..10042, 12485..12550		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	34287	Seq. ID	OJ990318_17.9819.C9
Gene No.	70961	Strand	-
Start	1	End	823
Name	OJ990318_17.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	783
GI	3337350	Score	398
Exons	1..339, 493..590, 690..783		
GI Descrip.	(AC004481) putative membrane transporter [Arabidopsis thaliana]		

Seq. No.	34287	Seq. ID	OJ990318_17.9819.C9
Gene No.	70961	Strand	-
Start	1	End	823
Name	OJ990318_17.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	160	End	343
GI	none	Score	153
Exons	160..336, 197..343		

Seq. No.	34287	Seq. ID	OJ990318_17.9819.C9
Gene No.	70961	Strand	-
Start	1	End	823
Name	OJ990318_17.9819.C9.o1.gs	Method	GENSCAN
Start	163	End	759
GI	none	Score	.7
Exons	163..276, 493..590, 690..759		

Seq. No.	34287	Seq. ID	OJ990318_17.9819.C9
Gene No.	70961	Strand	-
Start	1	End	823
Name	OJ990318_17.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	196	End	747
GI	none	Score	87
Exons	196..336, 197..337, 445..588, 473..589, 691..747, 692..718		

Seq. No.	34287	Seq. ID	OJ990318_17.9819.C9
Gene No.	70961	Strand	-
Start	1	End	823
Name	OJ990318_17.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	277	End	756
GI	none	Score	58
Exons	277..336, 490..570, 490..588, 691..756		

Seq. No.	34287	Seq. ID	OJ990318_17.9819.C9
Gene No.	70961	Strand	-
Start	1	End	823
Name	OJ990318_17.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	480	End	735
GI	none	Score	76
Exons	480..575, 487..576, 488..592, 490..591, 688..735, 689..727, 691..735		

Seq. No.	34287	Seq. ID	OJ990318_17.9819.C9
Gene No.	70961	Strand	-
Start	1	End	823
Name	OJ990318_17.9819.C9.o1.gp	Method	AAT/GAP
Start	553	End	823
GI	uC-osflcyp157b01b1	Score	307
Exons	553..590, 689..823		
GI Descrip.	'3337350 3.0e-10 (AC004481) putative permease [Arabidopsis thaliana]'		

Seq. No.	34288	Seq. ID	OJ990318_17.9819.C10
Gene No.	70962	Strand	+
Start	145	End	291
Name	OJ990318_17.9819.C10.o1.gs	Method	GENSCAN
Start	145	End	291
GI	none	Score	.99
Exons	145..291		

Seq. No.	34289	Seq. ID	OJ990318_13.9819.C1
Gene No.	70963	Strand	+
Start	91	End	1703
Name	OJ990318_13.9819.C1.o1.gs	Method	GENSCAN
Start	91	End	1703
GI	none	Score	.75

Exons 91..263, 393..507, 815..1057, 1150..1360, 1618..1703

Seq. No.	34289	Seq. ID	OJ990318_13.9819.C1
Gene No.	70964	Strand	+
Start	2312	End	2516
Name	OJ990318_13.9819.C1.o2.gp	Method	AAT/GAP
Start	2134	End	2516
GI	uC-osflcyp033a04b1	Score	648
Exons	2134..2516		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34289	Seq. ID	OJ990318_13.9819.C1
Gene No.	70964	Strand	+
Start	2312	End	2516
Name	OJ990318_13.9819.C1.o2.gs	Method	GENSCAN
Start	2312	End	2387
GI	none	Score	.46
Exons	2312..2387		

Seq. No.	34289	Seq. ID	OJ990318_13.9819.C1
Gene No.	70965	Strand	-
Start	797	End	2562
Name	OJ990318_13.9819.C1.o1.np	Method	AAT/NAP
Start	797	End	2562
GI	5852180	Score	523
Exons	797..1213, 1265..1382, 2364..2426, 2525..2562		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	34290	Seq. ID	OJ990318_13.9819.C2
Gene No.	70966	Strand	-
Start	1	End	813
Name	OJ990318_13.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	813
GI	4416302	Score	787
Exons	1..813		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	34290	Seq. ID	OJ990318_13.9819.C2
Gene No.	70967	Strand	-
Start	722	End	773
Name	OJ990318_13.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	12	End	473
GI	none	Score	133
Exons	12..185, 189..212, 225..473, 244..471		

Seq. No.	34290	Seq. ID	OJ990318_13.9819.C2
Gene No.	70967	Strand	-
Start	722	End	773
Name	OJ990318_13.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	150	End	632
GI	none	Score	266
Exons	150..515, 154..486, 508..630, 513..632		

Seq. No.	34290	Seq. ID	OJ990318_13.9819.C2
Gene No.	70967	Strand	-
Start	722	End	773

Name	OJ990318_13.9819.C2.o1.gs	Method	GENSCAN
Start	722	End	773
GI	none	Score	.48
Exons	722..773		
Seq. No.	34291	Seq. ID	OJ990318_13.9819.C3
Gene No.	70968	Strand	+
Start	1	End	573
Name	OJ990318_13.9819.C3.o1.gs	Method	GENSCAN
Start	1	End	573
GI	none	Score	.75
Exons	1..128, 402..573		
Seq. No.	34292	Seq. ID	OJ990318_13.9819.C4
Gene No.	70969	Strand	+
Start	1	End	749
Name	OJ990318_13.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	749
GI	4680186	Score	317
Exons	1..21, 549..749		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	34292	Seq. ID	OJ990318_13.9819.C4
Gene No.	70970	Strand	+
Start	1628	End	2068
Name	OJ990318_13.9819.C4.o2.np	Method	AAT/NAP
Start	1628	End	2068
GI	4680185	Score	274
Exons	1628..2068		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	34292	Seq. ID	OJ990318_13.9819.C4
Gene No.	70971	Strand	-
Start	301	End	682
Name	OJ990318_13.9819.C4.o1.gp	Method	AAT/GAP
Start	301	End	682
GI	uC-osflcyp033a04b1	Score	671
Exons	301..682		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	34292	Seq. ID	OJ990318_13.9819.C4
Gene No.	70972	Strand	-
Start	1113	End	2026
Name	OJ990318_13.9819.C4.o1.gs	Method	GENSCAN
Start	1113	End	2026
GI	none	Score	.68
Exons	1113..1198, 1456..1626, 1759..2026		
Seq. No.	34293	Seq. ID	OJ990318_13.9819.C5
Gene No.	70973	Strand	-
Start	1	End	833
Name	OJ990318_13.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	833
GI	6630685	Score	966
Exons	1..833		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716)		

[Oryza sativa]

Seq. No.	34293	Seq. ID	OJ990318_13.9819.C5
Gene No.	70973	Strand	-
Start	1	End	833
Name	OJ990318_13.9819.C5.o1.gs	Method	GENSCAN
Start	26	End	764
GI	none	Score	.99
Exons	26..764		

Seq. No.	34293	Seq. ID	OJ990318_13.9819.C5
Gene No.	70973	Strand	-
Start	1	End	833
Name	OJ990318_13.9819.C5.o1.tw	Method	TBLASTX:Wheat
Start	27	End	443
GI	none	Score	95
Exons	27..263, 279..443		

Seq. No.	34293	Seq. ID	OJ990318_13.9819.C5
Gene No.	70973	Strand	-
Start	1	End	833
Name	OJ990318_13.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	48	End	464
GI	none	Score	291
Exons	48..464, 60..440, 91..444		

Seq. No.	34293	Seq. ID	OJ990318_13.9819.C5
Gene No.	70973	Strand	-
Start	1	End	833
Name	OJ990318_13.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	78	End	480
GI	none	Score	95
Exons	78..467, 196..480		

Seq. No.	34293	Seq. ID	OJ990318_13.9819.C5
Gene No.	70973	Strand	-
Start	1	End	833
Name	OJ990318_13.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	468	End	716
GI	none	Score	238
Exons	468..716, 469..705		

Seq. No.	34294	Seq. ID	OJ990318_13.9819.C6
Gene No.	70974	Strand	-
Start	1	End	856
Name	OJ990318_13.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	856
GI	6630685	Score	1164
Exons	1..856		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716)		
	[Oryza sativa]		

Seq. No.	34294	Seq. ID	OJ990318_13.9819.C6
Gene No.	70974	Strand	-
Start	1	End	856
Name	OJ990318_13.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	2	End	487

GI none Score 123
Exons 2..145, 2..157, 18..176, 18..203, 163..456, 167..487, 168..479

Seq. No. 34294 Seq. ID OJ990318_13.9819.C6
Gene No. 70974 Strand -
Start 1 End 856
Name OJ990318_13.9819.C6.o2.ts Method TBLASTX:Soybean
Start 17 End 289
GI none Score 125
Exons 17..124, 173..289

Seq. No. 34294 Seq. ID OJ990318_13.9819.C6
Gene No. 70974 Strand -
Start 1 End 856
Name OJ990318_13.9819.C6.o1.tw Method TBLASTX:Wheat
Start 257 End 670
GI none Score 94
Exons 257..490, 506..670

Seq. No. 34294 Seq. ID OJ990318_13.9819.C6
Gene No. 70974 Strand -
Start 1 End 856
Name OJ990318_13.9819.C6.o1.ts Method TBLASTX:Soybean
Start 308 End 707
GI none Score 98
Exons 308..694, 423..707

Seq. No. 34294 Seq. ID OJ990318_13.9819.C6
Gene No. 70974 Strand -
Start 1 End 856
Name OJ990318_13.9819.C6.o2.tm Method TBLASTX:Maize
Start 602 End 856
GI none Score 236
Exons 602..856, 612..854

Seq. No. 34295 Seq. ID OJ990318_13.9819.C7
Gene No. 70975 Strand +
Start 568 End 1052
Name OJ990318_13.9819.C7.o1.gs Method GENSCAN
Start 568 End 1052
GI none Score .8
Exons 568..640, 967..1052

Seq. No. 34295 Seq. ID OJ990318_13.9819.C7
Gene No. 70976 Strand +
Start 1483 End 1865
Name OJ990318_13.9819.C7.o2.gp Method AAT/GAP
Start 1483 End 1865
GI uC-osflcyp033a04b1 Score 612
Exons 1483..1865
GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic
DNA, chromosome 1, clone:P0711E10'

Seq. No. 34295 Seq. ID OJ990318_13.9819.C7
Gene No. 70977 Strand -
Start 1 End 2044
Name OJ990318_13.9819.C7.o1.np Method AAT/NAP

Start	1	End	2044
GI	5852180	Score	498
Exons	1..35, 148..562, 614..731, 1713..1783, 2017..2044		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	34296	Seq. ID	OJ990318_13.9819.C8
Gene No.	70978	Strand	-
Start	590	End	662
Name	OJ990318_13.9819.C8.o1.gs	Method	GENSCAN
Start	590	End	662
GI	none	Score	.68
Exons	590..662		

Seq. No.	34297	Seq. ID	OJ990318_13.9819.C9
Gene No.	70979	Strand	+
Start	403	End	2133
Name	OJ990318_13.9819.C9.o1.gs	Method	GENSCAN
Start	403	End	2133
GI	none	Score	.44
Exons	403..469, 703..894, 1913..2133		

Seq. No.	34297	Seq. ID	OJ990318_13.9819.C9
Gene No.	70980	Strand	+
Start	7231	End	7612
Name	OJ990318_13.9819.C9.o1.gp	Method	AAT/GAP
Start	7231	End	7612
GI	uC-osflcyp033a04b1	Score	679
Exons	7231..7612		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34297	Seq. ID	OJ990318_13.9819.C9
Gene No.	70981	Strand	-
Start	803	End	7516
Name	OJ990318_13.9819.C9.o1.np	Method	AAT/NAP
Start	803	End	7516
GI	5852180	Score	564
Exons	803..968, 3248..3329, 5897..6310, 6362..6479, 7461..7516		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	34297	Seq. ID	OJ990318_13.9819.C9
Gene No.	70981	Strand	-
Start	803	End	7516
Name	OJ990318_13.9819.C9.o2.gs	Method	GENSCAN
Start	3160	End	6244
GI	none	Score	.87
Exons	3160..3300, 3386..3505, 3589..3742, 3971..4044, 4140..4273, 4385..4504, 5872..6244		

Seq. No.	34298	Seq. ID	OJ990318_13.9819.C10
Gene No.	70982	Strand	+
Start	134	End	525
Name	OJ990318_13.9819.C10.o1.gs	Method	GENSCAN
Start	134	End	525
GI	none	Score	.62
Exons	134..525		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70983	Strand	+
Start	9850	End	16200
Name	OJ990318_13.9819.C11.o4.np	Method	AAT/NAP
Start	9850	End	16200
GI	4378066	Score	1289
Exons	9850..9870, 11780..11951, 13204..16200		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi 4680208 gb AAD27571.1 AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70984	Strand	+
Start	19632	End	27363
Name	OJ990318_13.9819.C11.o4.gs	Method	GENSCAN
Start	19632	End	27363
GI	none	Score	.45
Exons	19632..20034, 21594..21937, 22619..22760, 23540..23588, 23776..24028, 24140..25705, 26517..26717, 26810..27020, 27278..27363		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70985	Strand	+
Start	27794	End	28175
Name	OJ990318_13.9819.C11.o3.gp	Method	AAT/GAP
Start	27794	End	28175
GI	uC-osflcyp033a04b1	Score	671
Exons	27794..28175		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70986	Strand	+
Start	28902	End	33422
Name	OJ990318_13.9819.C11.o6.np	Method	AAT/NAP
Start	28902	End	33422
GI	4680179	Score	5401
Exons	28902..29987, 30021..33422		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70987	Strand	+
Start	35508	End	35889
Name	OJ990318_13.9819.C11.o6.gp	Method	AAT/GAP
Start	35508	End	35889
GI	uC-osflcyp033a04b1	Score	679
Exons	35508..35889		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70988	Strand	+
Start	36826	End	43452
Name	OJ990318_13.9819.C11.o10.np	Method	AAT/NAP
Start	36826	End	39510
GI	4539665	Score	1524
Exons	36826..39510		

GI Descrip. (AF061282) polyprotein [Sorghum bicolor]

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70988	Strand	+
Start	36826	End	43452
Name	OJ990318_13.9819.C11.o11.np	Method	AAT/NAP
Start	38651	End	43452
GI	5091513	Score	1317
Exons	38651..38673, 40215..41445, 41479..41656, 43294..43452		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70989	Strand	+
Start	52299	End	52424
Name	OJ990318_13.9819.C11.o13.gp	Method	AAT/GAP
Start	52299	End	52424
GI	none	Score	207
Exons	52299..52424		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70990	Strand	+
Start	53172	End	53223
Name	OJ990318_13.9819.C11.o14.gp	Method	AAT/GAP
Start	53172	End	53223
GI	none	Score	61
Exons	53172..53223		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70991	Strand	+
Start	54184	End	57396
Name	OJ990318_13.9819.C11.o7.gs	Method	GENSCAN
Start	54184	End	57396
GI	none	Score	.7
Exons	54184..54243, 54350..55106, 55201..55743, 55795..55820, 55899..56333, 56409..56468, 56566..56649, 56698..57396		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70992	Strand	+
Start	69698	End	73475
Name	OJ990318_13.9819.C11.o10.gs	Method	GENSCAN
Start	69698	End	73475
GI	none	Score	.7
Exons	69698..69783, 70394..70589, 71582..71827, 72608..72968, 73249..73475		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70992	Strand	+
Start	69698	End	73475
Name	OJ990318_13.9819.C11.o15.np	Method	AAT/NAP
Start	71332	End	73449
GI	4680203	Score	810
Exons	71332..71357, 72614..73449		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70993	Strand	-
Start	416	End	1710

Name	OJ990318_13.9819.C11.o1.gs	Method	GENSCAN
Start	416	End	1710
GI	none	Score	.53
Exons	416..648, 1198..1289, 1616..1710		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70994	Strand	-
Start	5262	End	12178
Name	OJ990318_13.9819.C11.o1.np	Method	AAT/NAP
Start	5262	End	8575
GI	3645899	Score	3965
Exons	5262..7010, 7122..8575		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70994	Strand	-
Start	5262	End	12178
Name	OJ990318_13.9819.C11.o2.np	Method	AAT/NAP
Start	7584	End	10919
GI	4416301	Score	503
Exons	7584..7617, 9290..9761, 9820..10919		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70994	Strand	-
Start	5262	End	12178
Name	OJ990318_13.9819.C11.o3.np	Method	AAT/NAP
Start	9121	End	12178
GI	3645898	Score	597
Exons	9121..9248, 9324..9683, 9746..10815, 12140..12178		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70995	Strand	-
Start	18304	End	18685
Name	OJ990318_13.9819.C11.o1.gp	Method	AAT/GAP
Start	18304	End	18685
GI	uC-osflcyp033a04b1	Score	663
Exons	18304..18685		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70996	Strand	-
Start	34125	End	37385
Name	OJ990318_13.9819.C11.o7.np	Method	AAT/NAP
Start	34125	End	34562
GI	4680185	Score	442
Exons	34125..34562		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70996	Strand	-
Start	34125	End	37385
Name	OJ990318_13.9819.C11.o8.np	Method	AAT/NAP
Start	34171	End	36697

GI 5852180 Score 561
 Exons 34171..34587, 34639..34756, 35738..35793, 36615..36697
 GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No. 34299 Seq. ID OJ990318_13.9819.C11
 Gene No. 70996 Strand -
 Start 34125 End 37385
 Name OJ990318_13.9819.C11.o9.np Method AAT/NAP
 Start 35441 End 37385
 GI 4680186 Score 364
 Exons 35441..35641, 36476..36530, 37257..37385
 GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No. 34299 Seq. ID OJ990318_13.9819.C11
 Gene No. 70997 Strand -
 Start 41779 End 42146
 Name OJ990318_13.9819.C11.o7.gp Method AAT/GAP
 Start 41779 End 42146
 GI 25792_1.R1084 Score 645
 Exons 41779..42146
 GI Descrip. '4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'

Seq. No. 34299 Seq. ID OJ990318_13.9819.C11
 Gene No. 70998 Strand -
 Start 42321 End 42702
 Name OJ990318_13.9819.C11.o8.gp Method AAT/GAP
 Start 42321 End 42702
 GI 2312718 Score 646
 Exons 42321..42702
 GI Descrip. 4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence

Seq. No. 34299 Seq. ID OJ990318_13.9819.C11
 Gene No. 70999 Strand -
 Start 46919 End 52729
 Name OJ990318_13.9819.C11.o9.gp Method AAT/GAP
 Start 45294 End 45603
 GI 61605_3.R1084 Score 426
 Exons 45294..45603
 GI Descrip. '1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'

Seq. No. 34299 Seq. ID OJ990318_13.9819.C11
 Gene No. 70999 Strand -
 Start 46919 End 52729
 Name OJ990318_13.9819.C11.o12.np Method AAT/NAP
 Start 45965 End 47741
 GI 6063554 Score 368
 Exons 45965..46139, 46771..46798, 47122..47344, 47462..47741
 GI Descrip. (AP000615) ESTs AU075609(C63344), C71850(E0464), C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 34299 Seq. ID OJ990318_13.9819.C11
 Gene No. 70999 Strand -
 Start 46919 End 52729

Name	OJ990318_13.9819.C11.o10.gp	Method	AAT/GAP
Start	46125	End	46552
GI	2428185	Score	837
Exons	46125..46552		
GI Descrip.	5852170/emb AL117265.1 OST17804 1.0e-177 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70999	Strand	-
Start	46919	End	52729
Name	OJ990318_13.9819.C11.o11.gp	Method	AAT/GAP
Start	46570	End	47304
GI	101153_1.R1084	Score	679
Exons	46570..46798, 47122..47304		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70999	Strand	-
Start	46919	End	52729
Name	OJ990318_13.9819.C11.o6.gs	Method	GENSCAN
Start	46919	End	52729
GI	none	Score	64
Exons	46919..47363, 48463..48488, 49180..49449, 49792..49875, 50332..50365, 51905..52065, 52655..52729		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	70999	Strand	-
Start	46919	End	52729
Name	OJ990318_13.9819.C11.o12.gp	Method	AAT/GAP
Start	47396	End	47706
GI	2312818	Score	546
Exons	47396..47706		
GI Descrip.	5852170/emb AL117265.1 OST17804 2.0e-27 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71000	Strand	-
Start	57944	End	64613
Name	OJ990318_13.9819.C11.o13.np	Method	AAT/NAP
Start	57767	End	62654
GI	4206306	Score	1245
Exons	57767..60930, 62608..62654		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71000	Strand	-
Start	57944	End	64613
Name	OJ990318_13.9819.C11.o8.gs	Method	GENSCAN
Start	57944	End	64613
GI	none	Score	.58
Exons	57944..58628, 58761..58949, 58998..59070, 59194..60690, 60849..61027, 61143..61418, 61583..61637, 62049..62730, 63004..63285, 63541..63674, 63816..63923, 64286..64613		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-

Start	66134	End	68150
Name	OJ990318_13.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	5259	End	5936
GI	none	Score	222
Exons	5259..5570, 5265..5936, 5326..5928		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o3.ts	Method	TBLASTX:Soybean
Start	5277	End	5918
GI	none	Score	50
Exons	5277..5510, 5400..5495, 5520..5918, 5530..5709		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o3.tc	Method	TBLASTX:Cress
Start	5280	End	5738
GI	none	Score	71
Exons	5280..5492, 5332..5499, 5511..5645, 5649..5738		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o15.tw	Method	TBLASTX:Wheat
Start	5325	End	5729
GI	none	Score	55
Exons	5325..5501, 5326..5445, 5523..5729, 5524..5625		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o11.tm	Method	TBLASTX:Maize
Start	5937	End	6140
GI	none	Score	183
Exons	5937..6140, 5938..6120		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o3.tm	Method	TBLASTX:Maize
Start	6161	End	6629
GI	none	Score	467
Exons	6161..6625, 6162..6629, 6163..6627, 6165..6629		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	6289	End	6897
GI	5509260	Score	154
Exons	6289..6486, 6290..6472, 6291..6671, 6505..6672, 6666..6896, 6678..6896, 6682..6897		
GI Descrip.	-		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
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Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o4.tw	Method	TBLASTX:Wheat
Start	6297	End	6755
GI	none	Score	161
Exons	6297..6647, 6303..6668, 6316..6648, 6681..6755		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o2.tc	Method	TBLASTX:Cress
Start	6408	End	6689
GI	none	Score	70
Exons	6408..6689, 6535..6609		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o9.tm	Method	TBLASTX:Maize
Start	6630	End	6959
GI	none	Score	255
Exons	6630..6959, 6631..6921		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	7128	End	58441
GI	none	Score	471
Exons	7128..7235, 7253..7777, 7266..7856, 7279..7785, 7855..7929, 7857..7928, 15706..15834, 58313..58441		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o9.ts	Method	TBLASTX:Soybean
Start	7287	End	7748
GI	none	Score	40
Exons	7287..7388, 7437..7748, 7444..7512, 7543..7728		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o5.tw	Method	TBLASTX:Wheat
Start	7593	End	8165
GI	none	Score	118
Exons	7593..7877, 7594..7827, 7879..7905, 7881..7904, 7917..8165, 7936..8163		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o8.tm	Method	TBLASTX:Maize
Start	7929	End	8323
GI	none	Score	242
Exons	7929..8207, 7930..8208, 8205..8243, 8243..8323		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o12.tm	Method	TBLASTX:Maize
Start	10213	End	10617
GI	none	Score	102
Exons	10213..10617, 10336..10578		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o14.ts	Method	TBLASTX:Soybean
Start	13335	End	60589
GI	none	Score	133
Exons	13335..13559, 13346..13468, 13566..13700, 30762..30896, 36955..37089, 60455..60589		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o6.tw	Method	TBLASTX:Wheat
Start	13497	End	60658
GI	none	Score	81
Exons	13497..13553, 13502..13543, 13548..13901, 13556..13858, 13560..13901, 30762..30941, 30954..31091, 36937..37134, 37144..37269, 60254..60598, 60254..60607, 60268..60609, 60297..60599, 60602..60658, 60612..60653		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o10.tm	Method	TBLASTX:Maize
Start	13527	End	60628
GI	none	Score	152
Exons	13527..13748, 30555..30956, 30563..30658, 30725..30883, 36733..37149, 36735..36848, 36918..36995, 60407..60628		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o5.tm	Method	TBLASTX:Maize
Start	13770	End	60385
GI	none	Score	550
Exons	13770..14231, 13770..14231, 30960..31388, 30962..31249, 37153..37548, 37155..37271, 59918..60079, 59919..60062, 59987..60082, 60104..60385, 60108..60236, 60122..60385		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o2.ts	Method	TBLASTX:Soybean
Start	13866	End	60289
GI	none	Score	176
Exons	13866..14198, 31008..31040, 31010..31039, 31044..31403, 31045..31077, 31046..31081, 31112..31402, 31131..31403, 37237..37596, 37356..37493, 59951..60079, 60083..60289		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o8.tw	Method	TBLASTX:Wheat
Start	13929	End	59950
GI	none	Score	115
Exons	13929..14198, 14199..14333, 31116..31418, 31127..31402, 37309..37602, 59816..59950		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o6.tm	Method	TBLASTX:Maize
Start	14379	End	59770
GI	none	Score	89
Exons	14379..14612, 31490..31840, 31491..31844, 31491..31853, 37681..38037, 37704..37961, 59537..59770		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o3.tw	Method	TBLASTX:Wheat
Start	14487	End	59662
GI	none	Score	76
Exons	14487..14615, 31419..31841, 31451..31840, 37615..38058, 37654..38028, 59534..59662		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o5.ts	Method	TBLASTX:Soybean
Start	14538	End	59611
GI	none	Score	151
Exons	14538..14675, 14540..14671, 14696..14782, 14697..14780, 14795..14947, 59199..59471, 59201..59458, 59457..59609, 59474..59611		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o16.tw	Method	TBLASTX:Wheat
Start	14712	End	59437
GI	none	Score	69
Exons	14712..14795, 14777..15073, 59075..59437, 59190..59321, 59361..59426		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o2.tw	Method	TBLASTX:Wheat
Start	15388	End	38514
GI	none	Score	59
Exons	15388..15507, 31844..32410, 31875..32411, 38224..38388, 38397..38513, 38398..38514		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-

Start	66134	End	68150
Name	OJ990318_13.9819.C11.o10.ts	Method	TBLASTX:Soybean
Start	15400	End	58747
GI	none	Score	221
Exons	15400..15798, 15504..15620, 58349..58747, 58437..58643		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o1.tw	Method	TBLASTX:Wheat
Start	15676	End	58516
GI	none	Score	136
Exons	15676..16050, 32418..33044, 32474..32932, 32919..33041, 38521..38925, 38601..38645, 38694..38852, 58097..58516		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o11.ts	Method	TBLASTX:Soybean
Start	16141	End	58006
GI	none	Score	75
Exons	16141..16221, 39043..39216, 48361..48540, 48369..48467, 48504..48545, 57756..57794, 57767..58006, 57867..57992		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o7.ts	Method	TBLASTX:Soybean
Start	24056	End	24454
GI	none	Score	129
Exons	24056..24217, 24236..24454		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o13.tw	Method	TBLASTX:Wheat
Start	24203	End	24526
GI	none	Score	242
Exons	24203..24526, 24232..24516		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o7.tw	Method	TBLASTX:Wheat
Start	25105	End	25549
GI	none	Score	252
Exons	25105..25356, 25106..25372, 25118..25387, 25376..25525, 25391..25549, 25405..25548		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o8.ts	Method	TBLASTX:Soybean
Start	25148	End	25597
GI	none	Score	192
Exons	25148..25417, 25180..25413, 25409..25597		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o13.tm	Method	TBLASTX:Maize
Start	25334	End	25570
GI	none	Score	240
Exons	25334..25570		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o14.tw	Method	TBLASTX:Wheat
Start	29118	End	29344
GI	none	Score	205
Exons	29118..29138, 29145..29342, 29168..29344		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o11.tw	Method	TBLASTX:Wheat
Start	29378	End	29729
GI	none	Score	297
Exons	29378..29572, 29379..29729		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o14.tm	Method	TBLASTX:Maize
Start	29379	End	29684
GI	none	Score	236
Exons	29379..29684, 29393..29509		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o16.tm	Method	TBLASTX:Maize
Start	30012	End	30365
GI	none	Score	188
Exons	30012..30365		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o12.tw	Method	TBLASTX:Wheat
Start	30048	End	30485
GI	none	Score	164
Exons	30048..30257, 30104..30256, 30302..30415, 30303..30416, 30444..30485		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o4.ts	Method	TBLASTX:Soybean
Start	31425	End	37877
GI	none	Score	203
Exons	31425..31670, 31427..31669, 37618..37875, 37675..37863, 37677..37877		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o12.ts	Method	TBLASTX:Soybean
Start	31689	End	38081
GI	none	Score	77
Exons	31689..31775, 31794..31844, 37882..37986, 37896..37982, 37990..38076, 37992..38081		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	32118	End	38538
GI	none	Score	90
Exons	32118..32291, 32292..32435, 32294..32434, 38163..38537, 38164..38538, 38164..38535, 38313..38537		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o7.tm	Method	TBLASTX:Maize
Start	32181	End	58765
GI	none	Score	73
Exons	32181..32282, 32300..32491, 32301..32492, 38256..38591, 38257..38601, 38280..38600, 58607..58765		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o6.ts	Method	TBLASTX:Soybean
Start	32199	End	38550
GI	none	Score	296
Exons	32199..32459, 32204..32458, 32278..32460, 38395..38550, 38397..38549		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o4.tm	Method	TBLASTX:Maize
Start	32598	End	39294
GI	none	Score	231
Exons	32598..32759, 32606..32752, 32756..33181, 32757..33197, 32919..33182, 38701..38856, 39133..39294		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o9.tw	Method	TBLASTX:Wheat
Start	33044	End	39267
GI	none	Score	324
Exons	33044..33313, 33045..33377, 33048..33356, 39139..39267		

Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150

Name	OJ990318_13.9819.C11.o15.tm	Method	TBLASTX:Maize
Start	38905	End	39129
GI	none	Score	222
Exons	38905..39129, 38907..39128		
Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71001	Strand	-
Start	66134	End	68150
Name	OJ990318_13.9819.C11.o9.gs	Method	GENSCAN
Start	66134	End	68150
GI	none	Score	.56
Exons	66134..66357, 66399..66477, 66859..67364, 67509..67821, 68100..68150		
Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71002	Strand	
Start	72990	End	73316
Name	OJ990318_13.9819.C11.o10.tw	Method	TBLASTX:Wheat
Start	72990	End	73316
GI	none	Score	73
Exons	72990..73067, 73050..73292, 73051..73311, 73058..73291, 73059..73316		
Seq. No.	34299	Seq. ID	OJ990318_13.9819.C11
Gene No.	71002	Strand	
Start	72990	End	73316
Name	OJ990318_13.9819.C11.o13.ts	Method	TBLASTX:Soybean
Start	73083	End	73301
GI	none	Score	219
Exons	73083..73301, 73091..73297		
Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71003	Strand	+
Start	87	End	1496
Name	OJ990318_13.9819.C12.o1.gs	Method	GENSCAN
Start	87	End	1496
GI	none	Score	.51
Exons	87..182, 220..540, 545..645, 970..1078, 1413..1496		
Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71004	Strand	+
Start	10720	End	11454
Name	OJ990318_13.9819.C12.o1.gp	Method	AAT/GAP
Start	10720	End	11454
GI	101153_1.R1084	Score	699
Exons	10720..10918, 11226..11454		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71005	Strand	+
Start	11472	End	11899
Name	OJ990318_13.9819.C12.o2.gp	Method	AAT/GAP
Start	11472	End	11899
GI	2428185	Score	833
Exons	11472..11899		
GI Descrip.	5852170/emb AL117265.1 OST17804 1.0e-177 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71006	Strand	+
Start	15036	End	15839
Name	OJ990318_13.9819.C12.o3.np	Method	AAT/NAP
Start	14970	End	15760
GI	6742729	Score	1178
Exons	14970..15760		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71006	Strand	+
Start	15036	End	15839
Name	OJ990318_13.9819.C12.o4.gs	Method	GENSCAN
Start	15036	End	15839
GI	none	Score	.67
Exons	15036..15839		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71007	Strand	+
Start	17413	End	19216
Name	OJ990318_13.9819.C12.o5.gs	Method	GENSCAN
Start	17413	End	18411
GI	none	Score	1
Exons	17413..18411		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71007	Strand	+
Start	17413	End	19216
Name	OJ990318_13.9819.C12.o4.np	Method	AAT/NAP
Start	17495	End	19216
GI	3645898	Score	608
Exons	17495..18516, 18586..19013, 19089..19216		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71008	Strand	+
Start	19757	End	23009
Name	OJ990318_13.9819.C12.o5.np	Method	AAT/NAP
Start	19757	End	23009
GI	3645899	Score	3707
Exons	19757..21209, 21312..23009		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71009	Strand	+
Start	26653	End	35639
Name	OJ990318_13.9819.C12.o7.gs	Method	GENSCAN
Start	26653	End	35639
GI	none	Score	.62
Exons	26653..26840, 26929..27020, 27563..27783, 27879..28020, 28146..28374, 29033..29206, 29295..29405, 29489..29513, 29659..29757, 29835..29968, 30687..30856, 33096..33379, 33463..33624, 33724..34384, 34751..34885, 35419..35639		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71010	Strand	+
Start	35649	End	36741
Name	OJ990318_13.9819.C12.o8.np	Method	AAT/NAP
Start	35649	End	36741
GI	4680186	Score	371
Exons	35649..35703, 36541..36741		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71011	Strand	-
Start	4670	End	15229
Name	OJ990318_13.9819.C12.o2.np	Method	AAT/NAP
Start	4670	End	15229
GI	3645898	Score	406
Exons	4670..4695, 8354..8493, 9102..9779, 12685..12982, 15156..15229		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71011	Strand	-
Start	4670	End	15229
Name	OJ990318_13.9819.C12.o1.np	Method	AAT/NAP
Start	4995	End	8221
GI	3645899	Score	3650
Exons	4995..6659, 6768..8221		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71011	Strand	-
Start	4670	End	15229
Name	OJ990318_13.9819.C12.o3.gs	Method	GENSCAN
Start	10624	End	14206
GI	none	Score	.67
Exons	10624..11009, 11180..11322, 12146..12221, 13209..13271, 13692..13783, 14178..14206		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71011	Strand	-
Start	4670	End	15229
Name	OJ990318_13.9819.C12.o3.gp	Method	AAT/GAP
Start	12427	End	12715
GI	616053:R1084	Score	434
Exons	12427..12715		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	5004	End	23012
GI	none	Score	60
Exons	5004..5120, 5007..5078, 5073..5147, 5074..5142, 5146..5244, 5149..5343, 5156..5344, 5165..5344, 5305..5565, 5339..5581, 5340..5573, 5341..5574, 22398..22718, 22406..22717, 22429..22722, 22682..22966, 22709..22945, 22728..23006,		

22740..23012

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o2.ts	Method	TBLASTX:Soybean
Start	5064	End	22994
GI	none	Score	76
Exons	5064..5141, 5209..5340, 5219..5338, 5345..5563, 22422..22712, 22761..22994		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o5.tw	Method	TBLASTX:Wheat
Start	5348	End	22628
GI	none	Score	92
Exons	5348..5584, 5600..5764, 22215..22367, 22395..22628		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o9.tm	Method	TBLASTX:Maize
Start	5582	End	22397
GI	none	Score	172
Exons	5582..5785, 5583..5765, 22194..22397, 22214..22396		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o3.tm	Method	TBLASTX:Maize
Start	5806	End	22172
GI	none	Score	491
Exons	5806..6186, 5807..6274, 5808..6272, 21706..22113, 21708..22109, 22114..22170, 22115..22171, 22115..22171, 22116..22172		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	5934	End	22046
GI	5509260	Score	261
Exons	5934..6317, 5936..6316, 6323..6541, 6327..6542, 21435..21512, 21437..21541, 21437..21535, 21505..21657, 21655..21783, 21663..22046, 21664..22044		

GI Descrip. -

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o2.tw	Method	TBLASTX:Wheat
Start	5948	End	22032
GI	none	Score	234
Exons	5948..6295, 5961..6293, 6326..6400, 21580..21654, 21655..21684, 21683..22018, 21685..22032, 21687..22019		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
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Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o3.tc	Method	TBLASTX:Cress
Start	6053	End	21927
GI	none	Score	77
Exons	6053..6334, 6180..6329, 21646..21927, 21651..21800		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o5.tm	Method	TBLASTX:Maize
Start	6275	End	21705
GI	none	Score	266
Exons	6275..6568, 6276..6566, 6278..6568, 6438..6575, 21374..21535, 21410..21532, 21532..21705, 21534..21704		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	6899	End	21097
GI	none	Score	316
Exons	6899..7423, 6909..7502, 6912..7502, 6925..7503, 7501..7575, 7503..7574, 7508..7576, 20403..20471, 20404..20478, 20405..20476, 20476..21054, 20477..21067, 20477..21097, 20556..21092		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o4.tw	Method	TBLASTX:Wheat
Start	6912	End	21067
GI	none	Score	85
Exons	6912..7061, 6912..7037, 6925..7074, 7080..7151, 20828..20917, 20905..21054, 20912..21067, 20918..21067		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o3.ts	Method	TBLASTX:Soybean
Start	6933	End	21067
GI	none	Score	44
Exons	6933..7034, 7083..7394, 7090..7158, 7204..7374, 20585..21067, 20605..20790, 20821..20889		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o2.tc	Method	TBLASTX:Cress
Start	6936	End	21043
GI	none	Score	210
Exons	6936..7025, 7086..7358, 20621..21043		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o1.tw	Method	TBLASTX:Wheat

Start	7239	End	20739
GI	none	Score	129
Exons	7239..7523, 7240..7527, 7525..7551, 7527..7550, 7563..7811, 7582..7809, 20168..20416, 20170..20397, 20179..20445, 20428..20454, 20429..20452, 20452..20739, 20456..20737, 20557..20739		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o4.tm	Method	TBLASTX:Maize
Start	7578	End	20401
GI	none	Score	218
Exons	7578..7853, 7582..7854, 7851..7889, 7889..7969, 20011..20133, 20015..20128, 20125..20397, 20126..20401		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o7.tm	Method	TBLASTX:Maize
Start	7971	End	20010
GI	none	Score	87

Exons	7971..8108, 8033..8257, 8042..8251, 8136..8264, 8252..8317, 8270..8320, 19667..19693, 19670..19690, 19717..19842, 19721..19945, 19727..19936, 19870..20010		
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Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o8.tm	Method	TBLASTX:Maize
Start	9450	End	18123
GI	none	Score	60
Exons	9450..9749, 9565..9750, 9743..9778, 17719..18123, 17770..18009		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o1.tc	Method	TBLASTX:Cress
Start	14981	End	15290
GI	none	Score	263
Exons	14981..15094, 14982..15290, 15105..15287		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o5.ts	Method	TBLASTX:Soybean
Start	14988	End	15209
GI	none	Score	192
Exons	14988..15209, 14994..15191		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o3.tw	Method	TBLASTX:Wheat
Start	15078	End	15547
GI	none	Score	68
Exons	15078..15134, 15086..15130, 15122..15232, 15132..15236,		

15240..15338, 15245..15337, 15318..15542, 15338..15547,
15339..15542, 15341..15547

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o6.tm	Method	TBLASTX:Maize
Start	15126	End	15581
GI	none	Score	257
Exons	15126..15377, 15135..15377, 15387..15581		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o4.ts	Method	TBLASTX:Soybean
Start	15411	End	15653
GI	none	Score	219
Exons	15411..15653		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o7.np	Method	AAT/NAP
Start	30637	End	36780
GI	5852180	Score	293
Exons	30637..31009, 31925..32011, 36741..36780		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	34300	Seq. ID	OJ990318_13.9819.C12
Gene No.	71012	Strand	-
Start	30637	End	36780
Name	OJ990318_13.9819.C12.o4.gp	Method	AAT/GAP
Start	36293	End	36674
GI	uC-osflcyp033a04b1	Score	679
Exons	36293..36674		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34301	Seq. ID	OJ990318_13.9819.C13
Gene No.	71013	Strand	+
Start	452	End	506
Name	OJ990318_13.9819.C13.o1.gs	Method	GENSCAN
Start	452	End	506
GI	none	Score	.82
Exons	452..506		

Seq. No.	34302	Seq. ID	OJ990318_18.9819.C1
Gene No.	71014	Strand	+
Start	6364	End	9679
Name	OJ990318_18.9819.C1.o4.gs	Method	GENSCAN
Start	6364	End	9529
GI	none	Score	.44
Exons	6364..6525, 8577..8748, 9260..9312, 9413..9529		

Seq. No.	34302	Seq. ID	OJ990318_18.9819.C1
Gene No.	71014	Strand	+
Start	6364	End	9679

Name OJ990318_18.9819.C1.o1.gp
Start 8893
GI 427558
Exons 8893..9013, 9250..9330

Method AAT/GAP
End 9330
Score 277

Seq. No. 34302
Gene No. 71014
Start 6364
Name OJ990318_18.9819.C1.o3.np
Start 8999
GI 6815054
Exons 8999..9122, 9251..9312, 9412..9526
GI Descrip. (AP001080) EST AU078096(C53806) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. ID OJ990318_18.9819.C1
Strand +
End 9679
Method AAT/NAP
End 9526
Score 349

Seq. No. 34302
Gene No. 71014
Start 6364
Name OJ990318_18.9819.C1.o2.gp
Start 9240
GI 5816499
Exons 9240..9312, 9413..9679

Seq. ID OJ990318_18.9819.C1
Strand +
End 9679
Method AAT/GAP
End 9679
Score 563

Seq. No. 34302
Gene No. 71015
Start 11527
Name OJ990318_18.9819.C1.o3.gp
Start 11527
GI none
Exons 11527..11699, 12102..12152, 12443..12494, 13073..13131, 13951..13996, 14774..14812

Seq. ID OJ990318_18.9819.C1
Strand +
End 14895
Method AAT/GAP
End 14812
Score 619

Seq. No. 34302
Gene No. 71015
Start 11527
Name OJ990318_18.9819.C1.o4.np
Start 11616
GI 6815055
Exons 11616..11699, 12102..12152, 12443..12494, 13073..13131, 13951..13996, 14774..14895
GI Descrip. (AP001080) EST AU081527(C53732) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. ID OJ990318_18.9819.C1
Strand +
End 14895
Method AAT/NAP
End 14895
Score 584

Seq. No. 34302
Gene No. 71016
Start 14937
Name OJ990318_18.9819.C1.o4.gp
Start 14937
GI none
Exons 14937..15191

Seq. ID OJ990318_18.9819.C1
Strand +
End 15191
Method AAT/GAP
End 15191
Score 463

Seq. No. 34302
Gene No. 71017
Start 17936
Name OJ990318_18.9819.C1.o5.np
Start 17936
GI 6815056

Seq. ID OJ990318_18.9819.C1
Strand +
End 18923
Method AAT/NAP
End 18923
Score 598

Exons 17936..18307, 18897..18923
GI Descrip. (AP001080) hypothetical protein [Oryza sativa]

Seq. No.	34302	Seq. ID	OJ990318_18.9819.C1
Gene No.	71017	Strand	+
Start	17936	End	18923
Name	OJ990318_18.9819.C1.o7.gs	Method	GENSCAN
Start	17936	End	18340
GI	none	Score	1
Exons	17936..18340		

Seq. No.	34302	Seq. ID	OJ990318_18.9819.C1
Gene No.	71018	Strand	-
Start	230	End	555
Name	OJ990318_18.9819.C1.o1.gs	Method	GENSCAN
Start	230	End	555
GI	none	Score	.45
Exons	230..320, 402..555		

Seq. No.	34302	Seq. ID	OJ990318_18.9819.C1
Gene No.	71018	Strand	-
Start	230	End	555
Name	OJ990318_18.9819.C1.o1.np	Method	AAT/NAP
Start	246	End	555
GI	6815052	Score	343
Exons	246..320, 402..555		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	34302	Seq. ID	OJ990318_18.9819.C1
Gene No.	71019	Strand	-
Start	1594	End	1874
Name	OJ990318_18.9819.C1.o2.gs	Method	GENSCAN
Start	1594	End	1874
GI	none	Score	.58
Exons	1594..1678, 1690..1874		

Seq. No.	34302	Seq. ID	OJ990318_18.9819.C1
Gene No.	71020	Strand	-
Start	4644	End	5755
Name	OJ990318_18.9819.C1.o3.gs	Method	GENSCAN
Start	4644	End	5755
GI	none	Score	.82
Exons	4644..4884, 4934..5109, 5609..5755		

Seq. No.	34302	Seq. ID	OJ990318_18.9819.C1
Gene No.	71020	Strand	-
Start	4644	End	5755
Name	OJ990318_18.9819.C1.o2.np	Method	AAT/NAP
Start	4647	End	5755
GI	6815053	Score	923
Exons	4647..4884, 4934..5109, 5609..5755		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	34302	Seq. ID	OJ990318_18.9819.C1
Gene No.	71021	Strand	-
Start	14817	End	16223
Name	OJ990318_18.9819.C1.o6.gs	Method	GENSCAN

Start	14817	End	16223
GI	none	Score	.9
Exons	14817..14899, 15702..15825, 16137..16223		

Seq. No.	34303	Seq. ID	OJ990318_18.9819.C2
Gene No.	71022	Strand	+
Start	119	End	5676
Name	OJ990318_18.9819.C2.o1.np	Method	AAT/NAP
Start	119	End	1304
GI	6815056	Score	1957
Exons	119..1304		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	34303	Seq. ID	OJ990318_18.9819.C2
Gene No.	71022	Strand	+
Start	119	End	5676
Name	OJ990318_18.9819.C2.o1.gs	Method	GENSCAN
Start	201	End	5676
GI	none	Score	.75
Exons	201..950, 1025..1267, 5418..5676		

Seq. No.	34304	Seq. ID	OJ990318_18.9819.C3
Gene No.	71023	Strand	-
Start	1130	End	2825
Name	OJ990318_18.9819.C3.o1.gp	Method	AAT/GAP
Start	1013	End	1427
GI	none	Score	759
Exons	1013..1427		

Seq. No.	34304	Seq. ID	OJ990318_18.9819.C3
Gene No.	71023	Strand	-
Start	1130	End	2825
Name	OJ990318_18.9819.C3.o1.gs	Method	GENSCAN
Start	1130	End	2713
GI	none	Score	.59
Exons	1130..1206, 1248..1590, 1716..1775, 1849..2091, 2615..2713		

Seq. No.	34304	Seq. ID	OJ990318_18.9819.C3
Gene No.	71023	Strand	-
Start	1130	End	2825
Name	OJ990318_18.9819.C3.o1.np	Method	AAT/NAP
Start	1234	End	2825
GI	6815057	Score	1135
Exons	1234..1590, 1849..2091, 2615..2716, 2742..2825		
GI Descrip.	(AP001080) ESTs AU081555(E2011), C72657(E2011) correspond to a region of the predicted gene.; Similar to putative phosphoglyceride transfer protein. (AC002983) [Oryza sativa]		

Seq. No.	34304	Seq. ID	OJ990318_18.9819.C3
Gene No.	71023	Strand	-
Start	1130	End	2825
Name	OJ990318_18.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	1249	End	2014
GI	none	Score	101
Exons	1249..1341, 1250..1342, 1377..1595, 1388..1597, 1390..1596, 1436..1606, 1845..1928, 1846..1947, 1846..1938, 1940..2011, 1942..2010, 1943..2014		

Seq. No.	34304	Seq. ID	OJ990318_18.9819.C3
Gene No.	71023	Strand	-
Start	1130	End	2825
Name	OJ990318_18.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	1848	End	2070
GI	none	Score	148
Exons	1848..2063, 1852..2070, 1862..2068		

Seq. No.	34304	Seq. ID	OJ990318_18.9819.C3
Gene No.	71023	Strand	-
Start	1130	End	2825
Name	OJ990318_18.9819.C3.o1.tc	Method	TBLASTX:Cress
Start	1849	End	2095
GI	none	Score	76
Exons	1849..1959, 1871..1966, 1957..2094, 1985..2095		

Seq. No.	34304	Seq. ID	OJ990318_18.9819.C3
Gene No.	71023	Strand	-
Start	1130	End	2825
Name	OJ990318_18.9819.C3.o2.gp	Method	AAT/GAP
Start	1882	End	2694
GI	LIB3433-029-P1-K1-G10	Score	537

Exons	1882..2091, 2615..2694		
GI Descrip.	'4309969/gb AAB81870 AAB81870 4.0e-26 (AC002983) putative phosphoglyceride transfer protein [Arabidopsis thaliana]'		

Seq. No.	34305	Seq. ID	OJ990318_18.9819.C4
Gene No.	71024	Strand	+
Start	566	End	1532
Name	OJ990318_18.9819.C4.o1.gs	Method	GENSCAN
Start	566	End	1532
GI	none	Score	.8
Exons	566..693, 1352..1532		

Seq. No.	34305	Seq. ID	OJ990318_18.9819.C4
Gene No.	71025	Strand	+
Start	6778	End	11937
Name	OJ990318_18.9819.C4.o2.gp	Method	AAT/GAP
Start	6676	End	6925
GI	uC-osroM202001f03b1	Score	447
Exons	6676..6925		
GI Descrip.	'3819221/emb AJ234438.1 HVU234438 8.0e-09 Hordeum vulgare partial mRNA; clone cMWG0721'		

Seq. No.	34305	Seq. ID	OJ990318_18.9819.C4
Gene No.	71025	Strand	+
Start	6778	End	11937
Name	OJ990318_18.9819.C4.o2.np	Method	AAT/NAP
Start	6709	End	8402
GI	6815058	Score	762
Exons	6709..6993, 8223..8402		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	34305	Seq. ID	OJ990318_18.9819.C4
Gene No.	71025	Strand	+
Start	6778	End	11937

Name	OJ990318_18.9819.C4.o2.gs	Method	GENSCAN
Start	6778	End	11937
GI	none	Score	.67
Exons	6778..6993, 8223..8398, 9433..9502, 9950..9974, 11417..11530, 11753..11937		

Seq. No.	34305	Seq. ID	OJ990318_18.9819.C4
Gene No.	71025	Strand	+
Start	6778	End	11937
Name	OJ990318_18.9819.C4.o3.gp	Method	AAT/GAP
Start	9572	End	10258
GI	54260_1.R1084	Score	787
Exons	9572..9713, 9784..9842, 9950..10258		
GI Descrip.	'58067/emb X52325 ARBLSKP 2.0e-13 pBluescript SK(+) vector DNA, phagemid excised from lambda ZAP'		

Seq. No.	34305	Seq. ID	OJ990318_18.9819.C4
Gene No.	71026	Strand	+
Start	11887	End	12013
Name	OJ990318_18.9819.C4.o4.np	Method	AAT/NAP
Start	11887	End	12013
GI	6815059	Score	132
Exons	11887..12013		
GI Descrip.	(AP001080) Similar to geranylgeranyl hydrogenase. (AF069318) [Oryza sativa]		

Seq. No.	34305	Seq. ID	OJ990318_18.9819.C4
Gene No.	71027	Strand	-
Start	1	End	1732
Name	OJ990318_18.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	841
GI	6815057	Score	380
Exons	1..128, 484..663, 767..841		
GI Descrip.	(AP001080) ESTs AU081555(E2011), C72657(E2011) correspond to a region of the predicted gene.; Similar to putative phosphoglyceride transfer protein. (AC002983) [Oryza sativa]		

Seq. No.	34305	Seq. ID	OJ990318_18.9819.C4
Gene No.	71027	Strand	-
Start	1	End	1732
Name	OJ990318_18.9819.C4.o1.gp	Method	AAT/GAP
Start	472	End	1732
GI	2428194	Score	775
Exons	472..663, 767..880, 1577..1732		

Seq. No.	34305	Seq. ID	OJ990318_18.9819.C4
Gene No.	71028	Strand	-
Start	11450	End	12013
Name	OJ990318_18.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	482	End	875
GI	none	Score	173
Exons	482..682, 482..664, 484..669, 764..874, 768..869, 774..875		

Seq. No.	34305	Seq. ID	OJ990318_18.9819.C4
Gene No.	71028	Strand	-
Start	11450	End	12013
Name	OJ990318_18.9819.C4.o2.tm	Method	TBLASTX:Maize

Start	6751	End	9833
GI	none	Score	64
Exons	6751..6795, 6753..6794, 6790..6993, 6885..6992, 8216..8407, 8217..8405, 8217..8408, 9015..9101, 9016..9102, 9017..9103, 9398..9502, 9412..9543, 9412..9510, 9571..9714, 9571..9723, 9578..9724, 9784..9828, 9785..9829, 9786..9833		

Seq. No.	34305	Seq. ID	OJ990318_18.9819.C4
Gene No.	71028	Strand	-
Start	11450	End	12013
Name	OJ990318_18.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	6772	End	9651
GI	none	Score	41
Exons	6772..6798, 6829..6978, 8214..8405, 8217..8399, 8222..8407, 9015..9101, 9016..9102, 9425..9502, 9430..9492, 9571..9651, 9574..9645		

Seq. No.	34305	Seq. ID	OJ990318_18.9819.C4
Gene No.	71028	Strand	-
Start	11450	End	12013
Name	OJ990318_18.9819.C4.o3.np	Method	AAT/NAP
Start	11450	End	12013
GI	5852172	Score	106

Exons 11450..11605, 11943..12013
 GI Descrip. (AL117265) zhb0002.1 [Oryza sativa]

Seq. No.	34306	Seq. ID	OJ990318_18.9819.C6
Gene No.	71029	Strand	+
Start	288	End	546
Name	OJ990318_18.9819.C6.o1.gs	Method	GENSCAN
Start	288	End	524
GI	none	Score	.88
Exons	288..524		

Seq. No.	34306	Seq. ID	OJ990318_18.9819.C6
Gene No.	71029	Strand	+
Start	288	End	546
Name	OJ990318_18.9819.C6.o1.np	Method	AAT/NAP
Start	312	End	521
GI	4506645	Score	248
Exons	312..521		
GI Descrip.	ribosomal protein L38 gi 132936 sp P23411 RL38_HUMAN 60S RIBOSOMAL PROTEIN L38 gi 71375 pir R5RT38 ribosomal protein L38 - rat gi 481243 pir S38385 ribosomal protein L38 - human gi 57078 emb CAA40328 (X57007) ribosomal protein L38 [Rattus rattus] gi 407423 emb CAA81488 (Z26876) ribosomal protein [Homo sapiens]		

Seq. No.	34306	Seq. ID	OJ990318_18.9819.C6
Gene No.	71029	Strand	+
Start	288	End	546
Name	OJ990318_18.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	352	End	546
GI	none	Score	198
Exons	352..495, 362..496, 459..545, 469..546, 470..544		

Seq. No.	34307	Seq. ID	OJ990318_18.9819.C7
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Gene No.	71030	Strand	+
Start	515	End	785
Name	OJ990318_18.9819.C7.o1.gs	Method	GENSCAN
Start	515	End	574
GI	none	Score	.8
Exons	515..574.		

Seq. No.	34307	Seq. ID	OJ990318_18.9819.C7
Gene No.	71030	Strand	+
Start	515	End	785
Name	OJ990318_18.9819.C7.o1.np	Method	AAT/NAP
Start	515	End	785
GI	2498930	Score	102
Exons	515..574, 742..785		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	34308	Seq. ID	OJ990318_18.9819.C8
Gene No.	71031	Strand	+
Start	1	End	753
Name	OJ990318_18.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	753
GI	2498930	Score	1157
Exons	1..753		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	34308	Seq. ID	OJ990318_18.9819.C8
Gene No.	71031	Strand	+
Start	1	End	753
Name	OJ990318_18.9819.C8.o1.gs	Method	GENSCAN
Start	42	End	683
GI	none	Score	.94
Exons	42..683		

Seq. No.	34309	Seq. ID	OJ990318_18.9819.C10
Gene No.	71032	Strand	-
Start	315	End	389
Name	OJ990318_18.9819.C10.o1.gp	Method	AAT/GAP
Start	315	End	389
GI	LIB3477-003-P1-K1-E9	Score	99
Exons	315..389		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	34310	Seq. ID	OJ990318_18.9819.C11
Gene No.	71033	Strand	+
Start	444	End	6343
Name	OJ990318_18.9819.C11.o1.np	Method	AAT/NAP
Start	444	End	6343
GI	4006917	Score	474
Exons	444..627, 770..812, 1564..1660, 1746..1798, 2589..2673, 2910..3012, 3089..3181, 3653..3719, 3977..4043, 4131..4190, 4300..4378, 6315..6343		
GI Descrip.	(Z99708) putative protein [Arabidopsis thaliana]		

Seq. No.	34310	Seq. ID	OJ990318_18.9819.C11
Gene No.	71033	Strand	+
Start	444	End	6343
Name	OJ990318_18.9819.C11.o1.gs	Method	GENSCAN
Start	464	End	3216
GI	none	Score	.71
Exons	464..481, 1746..1798, 2589..2673, 2910..3012, 3089..3216		

Seq. No.	34310	Seq. ID	OJ990318_18.9819.C11
Gene No.	71033	Strand	+
Start	444	End	6343
Name	OJ990318_18.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	2605	End	4190
GI	none	Score	74
Exons	2605..2676, 2906..3013, 2907..3014, 3090..3179, 3091..3186, 3969..4043, 4128..4190		

Seq. No.	34310	Seq. ID	OJ990318_18.9819.C11
Gene No.	71033	Strand	+
Start	444	End	6343
Name	OJ990318_18.9819.C11.o1.gp	Method	AAT/GAP
Start	2963	End	4806
GI	89228_1.R1084	Score	1418
Exons	2963..3012, 3089..3181, 3653..3719, 3977..4043, 4131..4184, 4300..4806		
GI Descrip.	'4006917/emb CAB16847.1 4.0e-32 (Z99708) putative protein [Arabidopsis thaliana]'		

Seq. No.	34310	Seq. ID	OJ990318_18.9819.C11
Gene No.	71033	Strand	+
Start	444	End	6343
Name	OJ990318_18.9819.C11.o2.gs	Method	GENSCAN
Start	4334	End	4652
GI	none	Score	.62
Exons	4334..4471, 4557..4652		

Seq. No.	34311	Seq. ID	OJ990318_18.9819.C12
Gene No.	71034	Strand	+
Start	69	End	704
Name	OJ990318_18.9819.C12.o1.gs	Method	GENSCAN
Start	69	End	704
GI	none	Score	.84
Exons	69..165, 421..704		

Seq. No.	34311	Seq. ID	OJ990318_18.9819.C12
Gene No.	71035	Strand	-
Start	2302	End	4149
Name	OJ990318_18.9819.C12.o2.gs	Method	GENSCAN
Start	2302	End	4092
GI	none	Score	.99
Exons	2302..2723, 3094..3259, 3509..3700, 3829..4092		

Seq. No.	34311	Seq. ID	OJ990318_18.9819.C12
Gene No.	71035	Strand	-
Start	2302	End	4149
Name	OJ990318_18.9819.C12.o1.np	Method	AAT/NAP
Start	2314	End	4092

GI 1546700 Score 964
 Exons 2314..2723, 3094..3259, 3509..3700, 3829..4092
 GI Descrip. (X98804) peroxidase ATP18a [Arabidopsis thaliana]

Seq. No. 34311 Seq. ID OJ990318_18.9819.C12
 Gene No. 71035 Strand -
 Start 2302 End 4149
 Name OJ990318_18.9819.C12.o1.gp Method AAT/GAP
 Start 2474 End 3175
 GI LIB3433-019-P1-K1-G12 Score 568
 Exons 2474..2723, 3094..3175
 GI Descrip. '993004/emb|CAA62615| 4.0e-35 (X91232) peroxidase [Mercurialis annua]'

Seq. No. 34311 Seq. ID OJ990318_18.9819.C12
 Gene No. 71035 Strand -
 Start 2302 End 4149
 Name OJ990318_18.9819.C12.o2.gp Method AAT/GAP
 Start 3529 End 4149
 GI 20557_1.R1084 Score 851
 Exons 3529..3700, 3829..4149
 GI Descrip. '1546700/emb|CAA67336| 2.0e-25 (X98804) peroxidase ATP18a [Arabidopsis thaliana]'

Seq. No. 34311 Seq. ID OJ990318_18.9819.C12
 Gene No. 71036 Strand -
 Start 5282 End 9207
 Name OJ990318_18.9819.C12.o1.tc Method TBLASTX:Cress
 Start 2303 End 3966
 GI none Score 107
 Exons 2303..2440, 2314..2733, 2315..2485, 2481..2543, 2540..2608, 3065..3259, 3093..3260, 3509..3703, 3509..3703, 3516..3704, 3568..3726, 3664..3726, 3829..3966, 3830..3937

Seq. No. 34311 Seq. ID OJ990318_18.9819.C12
 Gene No. 71036 Strand -
 Start 5282 End 9207
 Name OJ990318_18.9819.C12.o1.tm Method TBLASTX:Maize
 Start 2314 End 2733
 GI none Score 77
 Exons 2314..2490, 2315..2455, 2470..2733, 2540..2602

Seq. No. 34311 Seq. ID OJ990318_18.9819.C12
 Gene No. 71036 Strand -
 Start 5282 End 9207
 Name OJ990318_18.9819.C12.o1.ts Method TBLASTX:Soybean
 Start 2314 End 3966
 GI none Score 98
 Exons 2314..2733, 3065..3253, 3503..3703, 3510..3704, 3829..3966

Seq. No. 34311 Seq. ID OJ990318_18.9819.C12
 Gene No. 71036 Strand -
 Start 5282 End 9207
 Name OJ990318_18.9819.C12.o1.tw Method TBLASTX:Wheat
 Start 2629 End 3592
 GI none Score 96
 Exons 2629..2733, 2643..2726, 2693..2746, 3065..3259, 3090..3260,

3091..3267, 3093..3260, 3509..3589, 3509..3592

Seq. No.	34311	Seq. ID	OJ990318_18.9819.C12
Gene No.	71036	Strand	-
Start	5282	End	9207
Name	OJ990318_18.9819.C12.o2.tm	Method	TBLASTX:Maize
Start	3065	End	3967
GI	none	Score	51
Exons	3065..3259, 3093..3137, 3165..3260, 3509..3676, 3510..3641, 3674..3703, 3829..3966, 3833..3967		

Seq. No.	34311	Seq. ID	OJ990318_18.9819.C12
Gene No.	71036	Strand	-
Start	5282	End	9207
Name	OJ990318_18.9819.C12.o3.gs	Method	GENSCAN
Start	5282	End	9207
GI	none	Score	.81
Exons	5282..5452, 5660..5708, 6326..6475, 6543..6631, 7934..8012, 8770..9048, 9092..9207		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71037	Strand	+
Start	47	End	782
Name	OJ990318_18.9819.C13.o1.gs	Method	GENSCAN
Start	47	End	782
GI	none	Score	.91
Exons	47..68, 598..782		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71038	Strand	+
Start	3888	End	5819
Name	OJ990318_18.9819.C13.o2.gp	Method	AAT/GAP
Start	3802	End	5490
GI	15064_2.R1084	Score	1430
Exons	3802..4115, 4770..4961, 5140..5305, 5398..5490		
GI Descrip.	'1402918 emb CAA66964 1.0e-83 (X98320) peroxidase [Arabidopsis thaliana] >gi_1429215 emb CAA67310_ (X98774) peroxidase ATP6a [Arabidopsis thaliana]'		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71038	Strand	+
Start	3888	End	5819
Name	OJ990318_18.9819.C13.o1.np	Method	AAT/NAP
Start	3882	End	5813
GI	1402918	Score	1044
Exons	3882..4115, 4770..4961, 5140..5305, 5398..5813		
GI Descrip.	(X98320) peroxidase [Arabidopsis thaliana] gi 1429215 emb CAA67310 (X98774) peroxidase ATP6a [Arabidopsis thaliana]		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71038	Strand	+
Start	3888	End	5819
Name	OJ990318_18.9819.C13.o3.gs	Method	GENSCAN
Start	3888	End	5819
GI	none	Score	.9
Exons	3888..4115, 4770..4961, 5140..5305, 5398..5819		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71039	Strand	+
Start	11110	End	15385
Name	OJ990318_18.9819.C13.o4.np	Method	AAT/NAP
Start	11110	End	14804
GI	5923682	Score	717
Exons	11110..11160, 11194..11438, 13212..13373, 14165..14804		
GI Descrip.	(AC009326) hypothetical protein [Arabidopsis thaliana] gi 6478914 gb AAF14019.1 AC011436_3 (AC011436) unknown protein [Arabidopsis thaliana]		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71039	Strand	+
Start	11110	End	15385
Name	OJ990318_18.9819.C13.o5.gs	Method	GENSCAN
Start	11242	End	15385
GI	none	Score	.85
Exons	11242..11438, 13062..13069, 13208..13373, 14165..14615, 14862..14930, 15097..15140, 15241..15385		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71040	Strand	-
Start	3013	End	3087
Name	OJ990318_18.9819.C13.o1.gp	Method	AAT/GAP
Start	3013	End	3087
GI	LIB3477-003-P1-K1-E9	Score	99
Exons	3013..3087		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I)>gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71041	Strand	-
Start	15991	End	17397
Name	OJ990318_18.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	3851	End	5984
GI	none	Score	39
Exons	3851..3928, 3858..3896, 3862..3918, 3878..3928, 3974..4114, 3975..4115, 4000..4116, 4013..4117, 4763..4963, 4767..4970, 4770..4964, 5106..5306, 5128..5307, 5394..5807, 5396..5779, 5848..5895, 5848..5898, 5955..5984		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71041	Strand	-
Start	15991	End	17397
Name	OJ990318_18.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	3960	End	5813
GI	none	Score	203
Exons	3960..4115, 3962..4114, 4763..4957, 4770..4961, 5127..5306, 5128..5307, 5257..5307, 5394..5813, 5395..5475, 5397..5519, 5519..5779		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71041	Strand	-
Start	15991	End	17397
Name	OJ990318_18.9819.C13.o1.ts	Method	TBLASTX:Soybean

Start	3978	End	5804
GI	none	Score	135
Exons	3978..4112, 3998..4114, 4763..4951, 4770..4964, 5140..5307, 5142..5306, 5394..5459, 5396..5470, 5398..5469, 5484..5546, 5534..5638, 5535..5645, 5646..5804, 5705..5779		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71041	Strand	-
Start	15991	End	17397
Name	OJ990318_18.9819.C13.o2.tw	Method	TBLASTX:Wheat
Start	4763	End	4936
GI	none	Score	177
Exons	4763..4936, 4764..4934		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71041	Strand	-
Start	15991	End	17397
Name	OJ990318_18.9819.C13.o1.tw	Method	TBLASTX:Wheat
Start	5142	End	5645
GI	none	Score	135
Exons	5142..5306, 5143..5307, 5373..5405, 5394..5450, 5436..5543, 5532..5645		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71041	Strand	-
Start	15991	End	17397
Name	OJ990318_18.9819.C13.o2.tc	Method	TBLASTX:Cress
Start	8116	End	10287
GI	none	Score	63
Exons	8116..8445, 8152..8532, 8254..8466, 8278..8643, 8344..8556, 8380..8823, 8449..8655, 8554..8760, 8659..8802, 9259..9477, 9301..9528, 9328..9564, 9388..9591, 9637..9681, 9640..9984, 9682..9810, 9688..9936, 9727..10113, 9793..9972, 9838..10179, 9898..10098, 9926..10072, 9934..10287, 10135..10287		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71041	Strand	-
Start	15991	End	17397
Name	OJ990318_18.9819.C13.o2.ts	Method	TBLASTX:Soybean
Start	8116	End	10290
GI	none	Score	70
Exons	8116..8391, 8122..8601, 8230..8706, 8326..8814, 8422..8742, 8527..8778, 8632..8802, 9256..9564, 9271..9729, 9370..9681, 9419..9580, 9664..9945, 9685..10101, 9710..9844, 9712..10050, 9766..10260, 9803..9844, 9871..10290, 9929..10168, 9929..10051		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71041	Strand	-
Start	15991	End	17397
Name	OJ990318_18.9819.C13.o4.tm	Method	TBLASTX:Maize
Start	8116	End	10296
GI	none	Score	68
Exons	8116..8319, 8122..8460, 8128..8523, 8245..8670, 8299..8466, 8341..8748, 8458..8796, 8665..8811, 9253..9594, 9256..9504, 9394..9684, 9679..10101, 9682..9804, 9685..9909, 9688..10008, 9802..10224, 9803..10087, 9892..10011, 9892..10296, 10084..10167		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71041	Strand	-
Start	15991	End	17397
Name	OJ990318_18.9819.C13.o3.tm	Method	TBLASTX:Maize
Start	11188	End	11439
GI	none	Score	248
Exons	11188..11361, 11208..11243, 11269..11361, 11380..11439, 11388..11438		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71041	Strand	-
Start	15991	End	17397
Name	OJ990318_18.9819.C13.o3.ts	Method	TBLASTX:Soybean
Start	11200	End	14222
GI	none	Score	167
Exons	11200..11337, 13203..13373, 13204..13374, 13221..13382, 13267..13374, 14151..14222, 14153..14221		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71041	Strand	-
Start	15991	End	17397
Name	OJ990318_18.9819.C13.o3.tc	Method	TBLASTX:Cress
Start	11203	End	11433
GI	none	Score	161
Exons	11203..11325, 11344..11433		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71041	Strand	-
Start	15991	End	17397
Name	OJ990318_18.9819.C13.o2.tm	Method	TBLASTX:Maize
Start	13249	End	14765
GI	none	Score	214
Exons	13249..13374, 13257..13373, 13259..13387, 13259..13381, 14151..14495, 14151..14486, 14164..14487, 14312..14494, 14489..14614, 14490..14615, 14492..14617, 14518..14619, 14711..14752, 14711..14764, 14712..14765		

Seq. No.	34312	Seq. ID	OJ990318_18.9819.C13
Gene No.	71041	Strand	-
Start	15991	End	17397
Name	OJ990318_18.9819.C13.o6.gs	Method	GENSCAN
Start	15991	End	17397
GI	none	Score	.49
Exons	15991..16032, 16071..16170, 17249..17397		

Seq. No.	34313	Seq. ID	OJ990318_18.9819.C14
Gene No.	71042	Strand	+
Start	80	End	3151
Name	OJ990318_18.9819.C14.o1.np	Method	AAT/NAP
Start	80	End	3088
GI	4206197	Score	3388
Exons	80..313, 370..3088		
GI Descrip.	(AF071527) putative pre-mRNA splicing factor [Arabidopsis thaliana]		

Seq. No.	34313	Seq. ID	OJ990318_18.9819.C14
Gene No.	71042	Strand	+

Start	80	End	3151
Name	OJ990318_18.9819.C14.o1.gp	Method	AAT/GAP
Start	2820	End	3151
GI	61401_1.R1084	Score	624
Exons	2820..3151		
GI Descrip.	'4206197/gb AAD11585.1 AAD11585 3.0e-30 (AF071527) putative pre-mRNA splicing factor [Arabidopsis thaliana]'		

Seq. No.	34313	Seq. ID	OJ990318_18.9819.C14
Gene No.	71043	Strand	+
Start	4128	End	5386
Name	OJ990318_18.9819.C14.o2.gp	Method	AAT/GAP
Start	4128	End	5386
GI	3767695	Score	775
Exons	4128..4293, 5101..5386		

Seq. No.	34313	Seq. ID	OJ990318_18.9819.C14
Gene No.	71044	Strand	+
Start	8176	End	9459
Name	OJ990318_18.9819.C14.o2.np	Method	AAT/NAP
Start	8176	End	9459
GI	6907089	Score	982
Exons	8176..9459		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	34313	Seq. ID	OJ990318_18.9819.C14
Gene No.	71045	Strand	-
Start	3907	End	4260
Name	OJ990318_18.9819.C14.o2.gs	Method	GENSCAN
Start	3907	End	4260
GI	none	Score	.43
Exons	3907..3979, 4071..4093, 4237..4260		

Seq. No.	34313	Seq. ID	OJ990318_18.9819.C14
Gene No.	71046	Strand	-
Start	6560	End	7950
Name	OJ990318_18.9819.C14.o1.tc	Method	TBLASTX:Cress
Start	1129	End	3097
GI	none	Score	93
Exons	1129..1440, 1501..1608, 1525..1755, 2161..2286, 2506..3081, 2516..3082, 2546..3097		

Seq. No.	34313	Seq. ID	OJ990318_18.9819.C14
Gene No.	71046	Strand	-
Start	6560	End	7950
Name	OJ990318_18.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	1129	End	3148
GI	none	Score	120
Exons	1129..1428, 1135..1338, 1159..1335, 1219..1263, 1325..1396, 1525..1755, 1549..1779, 1900..2046, 1903..2235, 2104..2238, 2110..2331, 2110..2295, 2221..2505, 2222..2473, 2223..2507, 2269..2445, 2311..2502, 2500..3081, 2505..2834, 2510..3148, 2510..3103		

Seq. No.	34313	Seq. ID	OJ990318_18.9819.C14
Gene No.	71046	Strand	-
Start	6560	End	7950

Name	OJ990318_18.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	1216	End	2452
GI	none	Score	55
Exons	1216..1335, 1354..1431, 1897..2448, 1899..2447, 2246..2452		

Seq. No.	34313	Seq. ID	OJ990318_18.9819.C14
Gene No.	71046	Strand	-
Start	6560	End	7950
Name	OJ990318_18.9819.C14.o2.tc	Method	TBLASTX:Cress
Start	1756	End	2133
GI	none	Score	276
Exons	1756..1956, 1765..1953, 1773..1955, 1900..1989, 1957..2133, 1975..2121		

Seq. No.	34313	Seq. ID	OJ990318_18.9819.C14
Gene No.	71046	Strand	-
Start	6560	End	7950
Name	OJ990318_18.9819.C14.o2.tm	Method	TBLASTX:Maize
Start	1782	End	1899
GI	none	Score	131
Exons	1782..1892, 1783..1899, 1783..1896		

Seq. No.	34313	Seq. ID	OJ990318_18.9819.C14
Gene No.	71046	Strand	-
Start	6560	End	7950
Name	OJ990318_18.9819.C14.o3.tc	Method	TBLASTX:Cress
Start	2286	End	2502
GI	none	Score	201
Exons	2286..2447, 2287..2502		

Seq. No.	34313	Seq. ID	OJ990318_18.9819.C14
Gene No.	71046	Strand	-
Start	6560	End	7950
Name	OJ990318_18.9819.C14.o2.ts	Method	TBLASTX:Soybean
Start	2699	End	3089
GI	none	Score	564
Exons	2699..3082, 2701..3081, 2702..3082, 2883..3089		

Seq. No.	34313	Seq. ID	OJ990318_18.9819.C14
Gene No.	71046	Strand	-
Start	6560	End	7950
Name	OJ990318_18.9819.C14.o3.gs	Method	GENSCAN
Start	6560	End	7950
GI	none	Score	.72
Exons	6560..6675, 6954..7110, 7611..7718, 7828..7950		

Seq. No.	34314	Seq. ID	OJ990318_18.9819.C15
Gene No.	71047	Strand	+
Start	1	End	1810
Name	OJ990318_18.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	1765
GI	6539586	Score	617
Exons	1..575, 625..984, 1077..1765		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	34314	Seq. ID	OJ990318_18.9819.C15
Gene No.	71047	Strand	+

Start	1	End	1810
Name	OJ990318_18.9819.C15.o1.gs	Method	GENSCAN
Start	175	End	1810
GI	none	Score	.45
Exons	175..426, 447..586, 678..913, 1349..1647, 1700..1810		

Seq. No.	34315	Seq. ID	OJ990318_18.9819.C16
Gene No.	71048	Strand	-
Start	573	End	4242
Name	OJ990318_18.9819.C16.o1.gs	Method	GENSCAN
Start	573	End	3486
GI	none	Score	.47
Exons	573..711, 824..922, 1366..1475, 1550..2026, 2036..2542, 2596..2716, 2788..3090, 3179..3486		

Seq. No.	34315	Seq. ID	OJ990318_18.9819.C16
Gene No.	71048	Strand	-
Start	573	End	4242
Name	OJ990318_18.9819.C16.o1.np	Method	AAT/NAP
Start	1097	End	4242
GI	6498441	Score	2276
Exons	1097..1380, 1473..2869, 3057..3207, 4136..4242		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	34315	Seq. ID	OJ990318_18.9819.C16
Gene No.	71048	Strand	-
Start	573	End	4242
Name	OJ990318_18.9819.C16.o5.tw	Method	TBLASTX:Wheat
Start	1200	End	1706
GI	none	Score	35
Exons	1200..1229, 1259..1342, 1368..1511, 1426..1476, 1478..1705, 1479..1568, 1512..1706, 1607..1705		

Seq. No.	34315	Seq. ID	OJ990318_18.9819.C16
Gene No.	71048	Strand	-
Start	573	End	4242
Name	OJ990318_18.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	1709	End	2090
GI	none	Score	108
Exons	1709..2089, 1845..1988, 1910..2089, 2013..2090		

Seq. No.	34315	Seq. ID	OJ990318_18.9819.C16
Gene No.	71048	Strand	-
Start	573	End	4242
Name	OJ990318_18.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	1887	End	2227
GI	none	Score	163
Exons	1887..2198, 1904..2227, 1913..2206		

Seq. No.	34315	Seq. ID	OJ990318_18.9819.C16
Gene No.	71048	Strand	-
Start	573	End	4242
Name	OJ990318_18.9819.C16.o2.tw	Method	TBLASTX:Wheat
Start	2632	End	3062
GI	none	Score	68

Exons 2632..2724, 2633..2725, 2718..2765, 2719..2763, 2766..2876,
2766..2888, 2779..2883, 2952..3053, 2955..3062

Seq. No.	34315	Seq. ID	OJ990318_18.9819.C16
Gene No.	71048	Strand	-
Start	573	End	4242
Name	OJ990318_18.9819.C16.o3.tw	Method	TBLASTX:Wheat
Start	3211	End	3474
GI	none	Score	155
Exons	3211..3474, 3281..3457		

Seq. No.	34315	Seq. ID	OJ990318_18.9819.C16
Gene No.	71048	Strand	-
Start	573	End	4242
Name	OJ990318_18.9819.C16.o2.gs	Method	GENSCAN
Start	3597	End	4175
GI	none	Score	.83
Exons	3597..3929, 3972..4175		

Seq. No.	34315	Seq. ID	OJ990318_18.9819.C16
Gene No.	71048	Strand	-
Start	573	End	4242
Name	OJ990318_18.9819.C16.o4.tw	Method	TBLASTX:Wheat
Start	3693	End	4025
GI	none	Score	113
Exons	3693..3929, 3694..3930, 3942..4025		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71049	Strand	+
Start	52	End	1533
Name	OJ990318_18.9819.C17.o1.gs	Method	GENSCAN
Start	52	End	1533
GI	none	Score	.79
Exons	52..404, 1024..1123, 1453..1533		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71050	Strand	+
Start	14028	End	20326
Name	OJ990318_18.9819.C17.o4.gs	Method	GENSCAN
Start	14028	End	20326
GI	none	Score	.81
Exons	14028..14515, 14707..14757, 14855..15018, 15083..15173, 15996..16056, 16261..16335, 17429..17587, 17920..17956, 18138..18247, 18326..18382, 18485..18568, 18648..18746, 18884..18988, 19264..19335, 19427..20326		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71050	Strand	+
Start	14028	End	20326
Name	OJ990318_18.9819.C17.o4.np	Method	AAT/NAP
Start	14267	End	19359
GI	6136111	Score	972
Exons	14267..14296, 14553..14599, 14707..14754, 14855..14946, 15083..15173, 15996..16056, 16145..16219, 16288..16335, 16437..16510, 16684..16756, 17407..17464, 17541..17587, 17664..17719, 17910..17956, 18056..18106, 18174..18247, 18326..18382, 18485..18568, 18648..18746, 18884..18988,		

19264..19359
 GI Descrip. UTP--GLUCOSE-1-PHOSPHATE URIDYLYLTRANSFERASE (UDP-GLUCOSE
 PYROPHOSPHORYLASE) (UDPGP) (UGPASE) gi|2117937|pir||JC4785
 UTP--glucose-1-phosphate uridylyltransferase (EC 2.7.7.9) -
 barley gi|1212996|emb|CAA62689| (X91347) UDP-glucose
 pyrophosphorylase [Hordeum vulgare]

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71051	Strand	+
Start	24209	End	31262
Name	OJ990318_18.9819.C17.o5.np	Method	AAT/NAP
Start	24209	End	31262
GI	531389	Score	194
Exons	24209..24310, 24555..24885, 25398..25644, 31238..31262		
GI Descrip.	(U12626) copia-like retrotransposon Hopscotch polyprotein [Zea mays]		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71052	Strand	-
Start	1	End	1883
Name	OJ990318_18.9819.C17.o1.np	Method	AAT/NAP
Start	1	End	1883
GI	6498441	Score	463
Exons	1..469, 1856..1883		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71053	Strand	-
Start	2397	End	2810
Name	OJ990318_18.9819.C17.o1.gp	Method	AAT/GAP
Start	2397	End	2810
GI	none	Score	786
Exons	2397..2810		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71054	Strand	-
Start	2731	End	11763
Name	OJ990318_18.9819.C17.o2.gs	Method	GENSCAN
Start	2731	End	11763
GI	none	Score	.59
Exons	2731..4236, 5473..5562, 5640..5691, 6596..6660, 9599..9944, 10033..10187, 11656..11763		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71054	Strand	-
Start	2731	End	11763
Name	OJ990318_18.9819.C17.o2.np	Method	AAT/NAP
Start	2734	End	5120
GI	6539573	Score	819
Exons	2734..4037, 5079..5120		
GI Descrip.	(AP000836) Similar to H-protein promoter binding factor-2a (AF079503) [Oryza sativa]		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71054	Strand	-

Start	2731	End	11763
Name	OJ990318_18.9819.C17.o2.gp	Method	AAT/GAP
Start	3319	End	3938
GI	81962_1.R1084	Score	1192
Exons	3319..3938		
GI Descrip.	'5922603/dbj AP000492.1 AP000492 9.0e-15 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71055	Strand	-
Start	12216	End	13069
Name	OJ990318_18.9819.C17.o3.gs	Method	GENSCAN
Start	12216	End	13069
GI	none	Score	.63
Exons	12216..12301, 12352..13069		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71056	Strand	-
Start	21846	End	22088
Name	OJ990318_18.9819.C17.o5.gs	Method	GENSCAN
Start	21846	End	22088
GI	none	Score	.55
Exons	21846..22088		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71057	Strand	-
Start	23089	End	24818
Name	OJ990318_18.9819.C17.o6.gs	Method	GENSCAN
Start	23089	End	24818
GI	none	Score	.72
Exons	23089..23208, 23567..23795, 24700..24818		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71058	Strand	-
Start	26727	End	31054
Name	OJ990318_18.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	2719	End	3913
GI	none	Score	74
Exons	2719..2787, 2875..2949, 2876..2950, 3680..3808, 3687..3902, 3688..3891, 3688..3912, 3839..3913		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71058	Strand	-
Start	26727	End	31054
Name	OJ990318_18.9819.C17.o3.tm	Method	TBLASTX:Maize
Start	2728	End	3053
GI	none	Score	158
Exons	2728..2796, 2836..3015, 2840..3016, 2892..3053		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71058	Strand	-
Start	26727	End	31054
Name	OJ990318_18.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	3499	End	3873
GI	none	Score	70
Exons	3499..3588, 3524..3583, 3655..3873, 3699..3860, 3722..3868		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71058	Strand	-
Start	26727	End	31054
Name	OJ990318_18.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	3520	End	3930
GI	none	Score	55
Exons	3520..3588, 3521..3589, 3678..3902, 3678..3902, 3679..3906, 3691..3930, 3719..3916		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71058	Strand	-
Start	26727	End	31054
Name	OJ990318_18.9819.C17.o2.ts	Method	TBLASTX:Soybean
Start	14698	End	19002
GI	none	Score	39
Exons	14698..14751, 14871..14951, 15994..16056, 16126..16203, 16139..16204, 16287..16310, 16306..16335, 16434..16511, 16684..16761, 16685..16756, 17397..17456, 17404..17469, 17406..17459, 17510..17590, 17542..17589, 17649..17720, 17651..17719, 18052..18105, 18167..18241, 18175..18249, 18176..18247, 18323..18412, 18323..18379, 18325..18393, 18488..18565, 18638..18748, 18645..18749, 18880..19002, 18884..18988		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71058	Strand	-
Start	26727	End	31054
Name	OJ990318_18.9819.C17.o2.tm	Method	TBLASTX:Maize
Start	14705	End	19335
GI	none	Score	47
Exons	14705..14752, 14859..14942, 15054..15203, 15058..15198, 15080..15211, 15993..16076, 15994..16056, 16139..16204, 16144..16203, 16303..16347, 16306..16335, 16434..16511, 16442..16498, 16684..16749, 16685..16756, 17403..17468, 17404..17469, 17510..17590, 17529..17588, 17542..17589, 17640..17720, 17643..17717, 17651..17719, 18051..18110, 18052..18105, 18167..18241, 18176..18247, 18204..18248, 18323..18412, 18324..18374, 18325..18378, 18484..18558, 18488..18565, 18500..18580, 18633..18746, 18645..18749, 18647..18748, 18880..19002, 18884..19000, 19252..19335		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71058	Strand	-
Start	26727	End	31054
Name	OJ990318_18.9819.C17.o2.tc	Method	TBLASTX:Cress
Start	18052	End	19000
GI	none	Score	64
Exons	18052..18105, 18175..18249, 18176..18247, 18323..18412, 18484..18558, 18488..18565, 18644..18748, 18645..18749, 18880..18999, 18884..19000		

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71058	Strand	-
Start	26727	End	31054
Name	OJ990318_18.9819.C17.o6.np	Method	AAT/NAP
Start	26727	End	31054
GI	6815052	Score	2629

Exons 26727..26845, 27128..27202, 27284..28021, 28070..28205,
28988..29080, 29948..30047, 30345..30462, 30745..30819,
30901..31054

GI Descrip. (AP001080) hypothetical protein [Oryza sativa]

Seq. No.	34316	Seq. ID	OJ990318_18.9819.C17
Gene No.	71058	Strand	-
Start	26727	End	31054
Name	OJ990318_18.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	28260	End	28754
GI	none	Score	65
Exons	28260..28754, 28360..28518, 28464..28730		

Seq. No.	34317	Seq. ID	OJ990318_18.9819.C18
Gene No.	71059	Strand	+
Start	1	End	816
Name	OJ990318_18.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	798
GI	6815059	Score	1317
Exons	1..798		

GI Descrip. (AP001080) Similar to geranylgeranyl hydrogenase. (AF069318)
[Oryza sativa]

Seq. No.	34317	Seq. ID	OJ990318_18.9819.C18
Gene No.	71059	Strand	+
Start	1	End	816
Name	OJ990318_18.9819.C18.o1.gs	Method	GENSCAN
Start	103	End	816
GI	none	Score	.85
Exons	103..816		

Seq. No.	34317	Seq. ID	OJ990318_18.9819.C18
Gene No.	71060	Strand	-
Start	1281	End	5333
Name	OJ990318_18.9819.C18.o1.gp	Method	AAT/GAP
Start	1081	End	1832
GI	none	Score	656
Exons	1081..1356, 1757..1832		

Seq. No.	34317	Seq. ID	OJ990318_18.9819.C18
Gene No.	71060	Strand	-
Start	1281	End	5333
Name	OJ990318_18.9819.C18.o2.gs	Method	GENSCAN
Start	1281	End	5279
GI	none	Score	.69
Exons	1281..1391, 1757..1838, 2291..2409, 3209..3328, 3545..3615, 4033..4201, 5064..5279		

Seq. No.	34317	Seq. ID	OJ990318_18.9819.C18
Gene No.	71060	Strand	-
Start	1281	End	5333
Name	OJ990318_18.9819.C18.o2.np	Method	AAT/NAP
Start	1754	End	4180
GI	6815060	Score	815
Exons	1754..1838, 2291..2409, 3209..3328, 3545..3615, 4033..4180		
GI Descrip.	(AP001080) EST C26994(C50622) corresponds to a region of the predicted gene.; Similar to ADP-ribosylation factor. (D17760)		

[Oryza sativa]

Seq. No.	34317	Seq. ID	OJ990318_18.9819.C18
Gene No.	71060	Strand	-
Start	1281	End	5333
Name	OJ990318_18.9819.C18.o2.gp	Method	AAT/GAP
Start	3138	End	5333
GI	18316_1.R1084	Score	692
Exons	3138..3328, 3545..3615, 4033..4201, 5237..5333		
GI Descrip.	'1351974/sp P49076 ARF_MAIZE 3.0e-59 ADP-RIBOSYLATION FACTOR		
	>gi_1076788_pir_S49325 ADP-ribosylation factor - maize		
	>gi_1076789_pir_S53486 ADP-ribosylation factor - maize		
	>gi_556686_emb_CAA56351_ (X80042) ADP-ribosylation factor [Zea mays]'		

Seq. No.	34317	Seq. ID	OJ990318_18.9819.C18
Gene No.	71061	Strand	-
Start	6189	End	6394
Name	OJ990318_18.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	30	End	4980
GI	none	Score	509
Exons	30..242, 40..453, 295..450, 393..458, 508..768, 553..768, 4846..4980		

Seq. No.	34317	Seq. ID	OJ990318_18.9819.C18
Gene No.	71061	Strand	-
Start	6189	End	6394
Name	OJ990318_18.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	34	End	768
GI	none	Score	303
Exons	34..246, 129..245, 304..768, 393..509, 481..705		

Seq. No.	34317	Seq. ID	OJ990318_18.9819.C18
Gene No.	71061	Strand	-
Start	6189	End	6394
Name	OJ990318_18.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	34	End	768
GI	none	Score	291
Exons	34..246, 129..245, 295..423, 304..459, 481..768, 481..705		

Seq. No.	34317	Seq. ID	OJ990318_18.9819.C18
Gene No.	71061	Strand	-
Start	6189	End	6394
Name	OJ990318_18.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	1757	End	4193
GI	none	Score	133
Exons	1757..1837, 1758..1838, 2264..2410, 2288..2410, 2290..2412, 3191..3331, 3209..3331, 3279..3335, 3539..3667, 3546..3617, 4007..4192, 4008..4193		

Seq. No.	34317	Seq. ID	OJ990318_18.9819.C18
Gene No.	71061	Strand	-
Start	6189	End	6394
Name	OJ990318_18.9819.C18.o2.tw	Method	TBLASTX:Wheat
Start	1757	End	3292
GI	none	Score	112
Exons	1757..1837, 1758..1838, 1758..1838, 1759..1839, 1768..1839,		

2264..2410, 2276..2410, 2287..2412, 2290..2412, 3191..3292,
3209..3292

Seq. No.	34317	Seq. ID	OJ990318_18.9819.C18
Gene No.	71061	Strand	-
Start	6189	End	6394
Name	OJ990318_18.9819.C18.o3.tc	Method	TBLASTX:Cress
Start	1757	End	3667
GI	none	Score	97
Exons	1757..1837, 1758..1838, 2288..2380, 2290..2373, 2368..2409, 2374..2412, 3191..3331, 3209..3331, 3279..3335, 3539..3667, 3546..3617		

Seq. No.	34317	Seq. ID	OJ990318_18.9819.C18
Gene No.	71061	Strand	-
Start	6189	End	6394
Name	OJ990318_18.9819.C18.o2.ts	Method	TBLASTX:Soybean
Start	1757	End	4220
GI	none	Score	89
Exons	1757..1837, 1758..1838, 2288..2410, 2288..2410, 2289..2411, 2290..2412, 3194..3331, 3208..3318, 3209..3331, 3279..3335, 3539..3667, 3546..3617, 4007..4186, 4008..4220, 4035..4187		

Seq. No.	34317	Seq. ID	OJ990318_18.9819.C18
Gene No.	71061	Strand	-
Start	6189	End	6394
Name	OJ990318_18.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	3293	End	4189
GI	none	Score	65
Exons	3293..3331, 3294..3335, 3539..3667, 3545..3616, 3546..3617, 4007..4183, 4008..4181, 4032..4187, 4043..4189		

Seq. No.	34317	Seq. ID	OJ990318_18.9819.C18
Gene No.	71061	Strand	-
Start	6189	End	6394
Name	OJ990318_18.9819.C18.o2.tc	Method	TBLASTX:Cress
Start	4015	End	4228
GI	none	Score	165
Exons	4015..4098, 4028..4225, 4032..4181, 4043..4228		

Seq. No.	34317	Seq. ID	OJ990318_18.9819.C18
Gene No.	71061	Strand	-
Start	6189	End	6394
Name	OJ990318_18.9819.C18.o3.gp	Method	AAT/GAP
Start	6189	End	6394
GI	5003484	Score	352
Exons	6189..6394		

Seq. No.	34318	Seq. ID	OJ990408_10.9819.C1
Gene No.	71062	Strand	+
Start	1245	End	1683
Name	OJ990408_10.9819.C1.o1.gs	Method	GENSCAN
Start	1245	End	1683
GI	none	Score	.82
Exons	1245..1281, 1436..1683		

Seq. No.	34318	Seq. ID	OJ990408_10.9819.C1
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Gene No.	71063	Strand	+
Start	1958	End	2489
Name	OJ990408_10.9819.C1.o1.np	Method	AAT/NAP
Start	1958	End	2489
GI	2792151	Score	197
Exons	1958..2274, 2359..2489		
GI Descrip.	(Y16182) hypothetical protein [Oryza sativa]		

Seq. No.	34318	Seq. ID	OJ990408_10.9819.C1
Gene No.	71064	Strand	-
Start	82	End	280
Name	OJ990408_10.9819.C1.o1.gp	Method	AAT/GAP
Start	82	End	280
GI	none	Score	347
Exons	82..280		

Seq. No.	34318	Seq. ID	OJ990408_10.9819.C1
Gene No.	71065	Strand	-
Start	1277	End	1868
Name	OJ990408_10.9819.C1.o2.gp	Method	AAT/GAP
Start	1277	End	1868
GI	16974_1.R1084	Score	834
Exons	1277..1646, 1762..1868		

GI Descrip. '4097585 9.0e-13 (U64925) NTGP4 [Nicotiana tabacum]'

Seq. No.	34318	Seq. ID	OJ990408_10.9819.C1
Gene No.	71066	Strand	-
Start	3874	End	4606
Name	OJ990408_10.9819.C1.o2.tm	Method	TBLASTX:Maize
Start	1473	End	1860
GI	none	Score	163
Exons	1473..1541, 1477..1647, 1486..1647, 1739..1843, 1759..1854, 1759..1860, 1760..1855		

Seq. No.	34318	Seq. ID	OJ990408_10.9819.C1
Gene No.	71066	Strand	-
Start	3874	End	4606
Name	OJ990408_10.9819.C1.o1.tc	Method	TBLASTX:Cress
Start	1476	End	1860
GI	none	Score	125
Exons	1476..1541, 1492..1653, 1754..1837, 1759..1860, 1760..1855		

Seq. No.	34318	Seq. ID	OJ990408_10.9819.C1
Gene No.	71066	Strand	-
Start	3874	End	4606
Name	OJ990408_10.9819.C1.o2.np	Method	AAT/NAP
Start	3509	End	4606
GI	4234846	Score	602
Exons	3509..4606		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	34318	Seq. ID	OJ990408_10.9819.C1
Gene No.	71066	Strand	-
Start	3874	End	4606
Name	OJ990408_10.9819.C1.o1.tm	Method	TBLASTX:Maize
Start	3523	End	4417
GI	none	Score	73

Exons 3523..3588, 3530..3589, 3567..3677, 3593..3685, 3599..3679,
3785..3880, 3792..3875, 3928..3990, 3978..4148, 3988..4305,
3989..4306, 4300..4395, 4307..4417, 4307..4402

Seq. No.	34318	Seq. ID	OJ990408_10.9819.C1
Gene No.	71066	Strand	-
Start	3874	End	4606
Name	OJ990408_10.9819.C1.o2.gs	Method	GENSCAN
Start	3874	End	4550
GI	none	Score	.89
Exons	3874..4088, 4463..4550		

Seq. No.	34319	Seq. ID	OJ990408_10.9819.C2
Gene No.	71067	Strand	+
Start	1	End	1854
Name	OJ990408_10.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	1854
GI	4234846	Score	919
Exons	1..1371, 1812..1854		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	34319	Seq. ID	OJ990408_10.9819.C2
Gene No.	71067	Strand	+
Start	1	End	1854
Name	OJ990408_10.9819.C2.o1.gs	Method	GENSCAN
Start	243	End	653
GI	none	Score	.94
Exons	243..653		

Seq. No.	34319	Seq. ID	OJ990408_10.9819.C2
Gene No.	71068	Strand	+
Start	10458	End	22104
Name	OJ990408_10.9819.C2.o3.gs	Method	GENSCAN
Start	10458	End	20377
GI	none	Score	.89
Exons	10458..10773, 10877..11027, 11431..11458, 11905..12023, 13153..13262, 14130..14262, 17873..18076, 18640..20377		

Seq. No.	34319	Seq. ID	OJ990408_10.9819.C2
Gene No.	71068	Strand	+
Start	10458	End	22104
Name	OJ990408_10.9819.C2.o2.np	Method	AAT/NAP
Start	17964	End	22104
GI	3540195	Score	1269
Exons	17964..18107, 18674..20257, 22077..22104		
GI Descrip.	(AC004260) Unknown protein [Arabidopsis thaliana]		

Seq. No.	34319	Seq. ID	OJ990408_10.9819.C2
Gene No.	71069	Strand	-
Start	1760	End	7873
Name	OJ990408_10.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	31	End	954
GI	none	Score	161
Exons	31..156, 35..157, 45..164, 47..157, 158..475, 159..476, 165..482, 316..486, 403..486, 474..536, 548..577, 549..611, 597..692, 602..685, 792..884, 798..878, 803..910, 887..928, 888..947, 889..954		

Seq. No.	34319	Seq. ID	OJ990408_10.9819.C2
Gene No.	71069	Strand	-
Start	1760	End	7873
Name	OJ990408_10.9819.C2.o2.gs	Method	GENSCAN
Start	1760	End	7873
GI	none	Score	.66
Exons	1760..1966, 3080..3159, 3752..3845, 4784..4839, 5681..5777, 6854..6983, 7256..7370, 7642..7873		

Seq. No.	34319	Seq. ID	OJ990408_10.9819.C2
Gene No.	71069	Strand	-
Start	1760	End	7873
Name	OJ990408_10.9819.C2.o1.gp	Method	AAT/GAP
Start	2913	End	3149
GI	16974_1.R1084	Score	150
Exons	2913..2962, 3080..3149		
GI Descrip.	'4097585 9.0e-13 (U64925) NTGP4 [Nicotiana tabacum]'		

Seq. No.	34319	Seq. ID	OJ990408_10.9819.C2
Gene No.	71069	Strand	-
Start	1760	End	7873
Name	OJ990408_10.9819.C2.o2.tw	Method	TBLASTX:Wheat
Start	2918	End	5744
GI	none	Score	65
Exons	2918..2974, 2919..2963, 3070..3150, 3079..3153, 3080..3172, 3081..3173, 3081..3173, 3690..3845, 3720..3845, 3748..3846, 4781..4840, 4782..4841, 4785..4841, 4902..4988, 4912..4977, 5683..5739, 5688..5744, 5689..5739		

Seq. No.	34319	Seq. ID	OJ990408_10.9819.C2
Gene No.	71069	Strand	-
Start	1760	End	7873
Name	OJ990408_10.9819.C2.o2.gp	Method	AAT/GAP
Start	4913	End	7437
GI	none	Score	870
Exons	4913..4968, 5689..5777, 6854..6983, 7256..7437		

Seq. No.	34319	Seq. ID	OJ990408_10.9819.C2
Gene No.	71070	Strand	-
Start	18776	End	19302
Name	OJ990408_10.9819.C2.o3.tm	Method	TBLASTX:Maize
Start	18776	End	19302
GI	none	Score	183
Exons	18776..19000, 18802..18936, 19001..19147, 19033..19059, 19138..19197, 19139..19198, 19193..19294, 19204..19302		

Seq. No.	34319	Seq. ID	OJ990408_10.9819.C2
Gene No.	71071	Strand	-
Start	19366	End	20257
Name	OJ990408_10.9819.C2.o2.tm	Method	TBLASTX:Maize
Start	19366	End	20179
GI	none	Score	82
Exons	19366..19434, 19367..19444, 19466..19930, 19466..19537, 19516..19914, 19990..20139, 19991..20179		

Seq. No.	34319	Seq. ID	OJ990408_10.9819.C2
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Gene No.	71071	Strand	
Start	19366	End	20257
Name	OJ990408_10.9819.C2.o1.tc	Method	TBLASTX:Cress
Start	19397	End	20047
GI	none	Score	51
Exons	19397..19444, 19481..19930, 19567..19632, 19684..19920, 20002..20046, 20006..20047		

Seq. No.	34319	Seq. ID	OJ990408_10.9819.C2
Gene No.	71071	Strand	
Start	19366	End	20257
Name	OJ990408_10.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	19519	End	19930
GI	none	Score	558
Exons	19519..19632, 19520..19930, 19684..19920		

Seq. No.	34319	Seq. ID	OJ990408_10.9819.C2
Gene No.	71071	Strand	
Start	19366	End	20257
Name	OJ990408_10.9819.C2.o1.tw	Method	TBLASTX:Wheat
Start	19841	End	20224
GI	none	Score	153
Exons	19841..19930, 19843..19920, 19990..20130, 19991..20224		

Seq. No.	34319	Seq. ID	OJ990408_10.9819.C2
Gene No.	71071	Strand	
Start	19366	End	20257
Name	OJ990408_10.9819.C2.o2.ts	Method	TBLASTX:Soybean
Start	20006	End	20257
GI	none	Score	248
Exons	20006..20191, 20008..20139, 20201..20257		

Seq. No.	34320	Seq. ID	OJ990408_10.9819.C3
Gene No.	71072	Strand	+
Start	2984	End	4807
Name	OJ990408_10.9819.C3.o1.gp	Method	AAT/GAP
Start	2984	End	4604
GI	2309994	Score	542
Exons	2984..3037, 4364..4604		
GI Descrip.	4097585 9.0e-13 (U64925) NTGP4 [Nicotiana tabacum]		

Seq. No.	34320	Seq. ID	OJ990408_10.9819.C3
Gene No.	71072	Strand	+
Start	2984	End	4807
Name	OJ990408_10.9819.C3.o2.np	Method	AAT/NAP
Start	4367	End	4807
GI	4097585	Score	166
Exons	4367..4604, 4699..4807		
GI Descrip.	(U64925) NTGP4 [Nicotiana tabacum]		

Seq. No.	34320	Seq. ID	OJ990408_10.9819.C3
Gene No.	71073	Strand	-
Start	753	End	1861
Name	OJ990408_10.9819.C3.o1.np	Method	AAT/NAP
Start	753	End	1861
GI	6815053	Score	804
Exons	753..990, 1040..1215, 1715..1861		

GI Descrip. (AP001080) hypothetical protein [Oryza sativa]

Seq. No.	34320	Seq. ID	OJ990408_10.9819.C3
Gene No.	71074	Strand	
Start	4349	End	4606
Name	OJ990408_10.9819.C3.o1.tm	Method	TBLASTX:Maize
Start	4349	End	4606
GI	none	Score	127
Exons	4349..4603, 4353..4604, 4375..4605, 4382..4606		

Seq. No.	34320	Seq. ID	OJ990408_10.9819.C3
Gene No.	71074	Strand	
Start	4349	End	4606
Name	OJ990408_10.9819.C3.o1.ts	Method	TBLASTX:Soybean
Start	4376	End	4606
GI	none	Score	61
Exons	4376..4426, 4393..4605, 4433..4606		

Seq. No.	34321	Seq. ID	OJ990408_10.9819.C4
Gene No.	71075	Strand	+
Start	184	End	497
Name	OJ990408_10.9819.C4.o1.gs	Method	GENSCAN
Start	184	End	497
GI	none	Score	.69
Exons	184..497		

Seq. No.	34322	Seq. ID	OJ990408_10.9819.C5
Gene No.	71076	Strand	-
Start	217	End	665
Name	OJ990408_10.9819.C5.o1.gs	Method	GENSCAN
Start	217	End	665
GI	none	Score	.66
Exons	217..302, 421..592, 648..665		

Seq. No.	34323	Seq. ID	OJ990408_10.9819.C6
Gene No.	71077	Strand	+
Start	1	End	754
Name	OJ990408_10.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	754
GI	4234846	Score	375
Exons	1..593, 710..754		

GI Descrip. (AF082130) gag-pol polyprotein [Zea mays]

Seq. No.	34323	Seq. ID	OJ990408_10.9819.C6
Gene No.	71078	Strand	-
Start	574	End	649
Name	OJ990408_10.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	82	End	579
GI	none	Score	39
Exons	82..114, 82..120, 112..174, 222..317, 227..310, 417..509, 425..535, 513..572, 514..579		

Seq. No.	34323	Seq. ID	OJ990408_10.9819.C6
Gene No.	71078	Strand	-
Start	574	End	649
Name	OJ990408_10.9819.C6.o1.gs	Method	GENSCAN
Start	574	End	649

GI	none	Score	.67
Exons	574..649		
Seq. No.	34324	Seq. ID	OJ990408_10.9819.C7
Gene No.	71079	Strand	-
Start	1	End	3795
Name	OJ990408_10.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	3795
GI	4204912	Score	509
Exons	1..48, 249..354, 443..603, 1010..1072, 1213..1300, 1803..1950, 3728..3795		
GI Descrip.	(U58918) MEK kinase [Arabidopsis thaliana]		

Seq. No.	34324	Seq. ID	OJ990408_10.9819.C7
Gene No.	71079	Strand	-
Start	1	End	3795
Name	OJ990408_10.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	240	End	1880
GI	none	Score	114
Exons	240..362, 257..364, 276..359, 280..387, 423..608, 442..609, 443..610, 443..610, 1010..1075, 1011..1073, 1207..1302, 1212..1304, 1217..1309, 1793..1864, 1794..1877, 1803..1880		

Seq. No.	34324	Seq. ID	OJ990408_10.9819.C7
Gene No.	71079	Strand	-
Start	1	End	3795
Name	OJ990408_10.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	256	End	1302
GI	none	Score	86
Exons	256..357, 278..361, 279..362, 279..362, 280..363, 390..581, 402..581, 403..582, 403..609, 443..610, 1007..1075, 1207..1302, 1220..1300		

Seq. No.	34324	Seq. ID	OJ990408_10.9819.C7
Gene No.	71079	Strand	-
Start	1	End	3795
Name	OJ990408_10.9819.C7.o1.gp	Method	AAT/GAP
Start	277	End	357
GI	LIB3474-005-P1-K1-G2	Score	139
Exons	277..357		
GI Descrip.	'3688193/emb CAA08995.1 5.0e-42 (AJ010091) MAP3K alpha 1 protein kinase [Brassica napus]'		

Seq. No.	34324	Seq. ID	OJ990408_10.9819.C7
Gene No.	71079	Strand	-
Start	1	End	3795
Name	OJ990408_10.9819.C7.o1.gs	Method	GENSCAN
Start	279	End	3615
GI	none	Score	.62
Exons	279..354, 443..648, 1010..1072, 1213..1300, 1803..2303, 3494..3615		

Seq. No.	34324	Seq. ID	OJ990408_10.9819.C7
Gene No.	71079	Strand	-
Start	1	End	3795
Name	OJ990408_10.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	330	End	1871

GI	none	Score	135
Exons	330..362, 433..603, 442..609, 443..610, 1010..1075, 1207..1302, 1208..1303, 1793..1864, 1794..1871, 1803..1865		

Seq. No.	34325	Seq. ID	OJ990408_10.9819.C8
Gene No.	71080	Strand	+
Start	571	End	3321
Name	OJ990408_10.9819.C8.o1.gs	Method	GENSCAN
Start	571	End	3321
GI	none	Score	.51
Exons	571..694, 1001..1110, 2084..2245, 3196..3321		

Seq. No.	34325	Seq. ID	OJ990408_10.9819.C8
Gene No.	71081	Strand	-
Start	4116	End	5205
Name	OJ990408_10.9819.C8.o2.gs	Method	GENSCAN
Start	4116	End	5205
GI	none	Score	.69
Exons	4116..4305, 5043..5205		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71082	Strand	+
Start	355	End	978
Name	OJ990408_10.9819.C9.o1.gp	Method	AAT/GAP
Start	355	End	978
GI	none	Score	1177
Exons	355..978		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71083	Strand	+
Start	6089	End	7758
Name	OJ990408_10.9819.C9.o2.np	Method	AAT/NAP
Start	6089	End	7758
GI	82132	Score	70
Exons	6089..6454, 7670..7758		
GI Descrip.	extensin precursor - curled-leaved tobacco gi 170233 (M34371) extensin precursor [Nicotiana plumbaginifolia]		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o1.gs	Method	GENSCAN
Start	141	End	10156
GI	none	Score	.6
Exons	141..711, 1156..1626, 1782..1855, 1996..2040, 2235..2432, 2532..2759, 2838..3026, 3247..3684, 3912..4336, 5127..5449, 5543..5664, 6196..6479, 6910..6931, 10033..10156		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o1.np	Method	AAT/NAP
Start	1131	End	6381
GI	2462826	Score	1634
Exons	1131..1423, 1472..1570, 1598..1626, 1737..1926, 2116..2432, 2532..2759, 2838..3026, 3247..3684, 3912..4154, 4218..4719, 4816..4922, 5005..5449, 5543..5664, 6196..6381		

GI Descrip. (AF000657) unknown protein [Arabidopsis thaliana]

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o2.tc	Method	TBLASTX:Cress
Start	1140	End	1586
GI	none	Score	63
Exons	1140..1412, 1476..1586		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o5.tm	Method	TBLASTX:Maize
Start	1140	End	1353
GI	none	Score	86
Exons	1140..1325, 1140..1352, 1150..1353		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o3.ts	Method	TBLASTX:Soybean
Start	1143	End	1418
GI	none	Score	257
Exons	1143..1418		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	1179	End	1440
GI	none	Score	237
Exons	1179..1418, 1186..1428, 1191..1439, 1279..1440		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o2.gp	Method	AAT/GAP
Start	1190	End	1428
GI	4968583	Score	474
Exons	1190..1428		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	1356	End	2454
GI	none	Score	77
Exons	1356..1421, 1357..1422, 1473..1628, 1476..1610, 1477..1629, 1480..1635, 1737..1928, 1750..1929, 1781..1927, 2017..2070, 2023..2064, 2030..2077, 2030..2068, 2187..2438, 2197..2436, 2197..2454		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o2.ts	Method	TBLASTX:Soybean

Start	2206	End	4121
GI	none	Score	135
Exons	2206..2460, 2214..2435, 2557..2760, 2835..3023, 2880..3023, 3301..3495, 3544..3675, 3554..3667, 3592..3678, 3906..4121, 3958..4119		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o4.tm	Method	TBLASTX:Maize
Start	2523	End	2927
GI	none	Score	62
Exons	2523..2612, 2532..2636, 2536..2613, 2616..2756, 2616..2759, 2617..2757, 2838..2927, 2846..2926		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o3.tc	Method	TBLASTX:Cress
Start	2586	End	3029
GI	none	Score	67
Exons	2586..2762, 2644..2757, 2844..3020, 2880..3029		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o6.tm	Method	TBLASTX:Maize
Start	2985	End	3687
GI	none	Score	116
Exons	2985..3029, 3301..3360, 3346..3516, 3481..3687, 3530..3685, 3604..3687		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o3.tm	Method	TBLASTX:Maize
Start	3909	End	4203
GI	none	Score	48
Exons	3909..3962, 3911..3964, 3964..4188, 3966..4193, 3976..4203		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	3993	End	4388
GI	none	Score	63
Exons	3993..4127, 3994..4119, 4224..4388		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o4.ts	Method	TBLASTX:Soybean
Start	4224	End	4502
GI	none	Score	64
Exons	4224..4403, 4296..4361, 4304..4387, 4315..4389, 4458..4502		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
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Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o4.tc	Method	TBLASTX:Cress
Start	4458	End	5145
GI	none	Score	115
Exons	4458..4502, 4530..4721, 4531..4722, 5005..5145		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	5047	End	5611
GI	none	Score	161
Exons	5047..5451, 5060..5341, 5122..5457, 5542..5610, 5543..5611		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	5111	End	5668
GI	none	Score	178
Exons	5111..5338, 5111..5305, 5113..5451, 5224..5451, 5365..5442, 5529..5642, 5541..5642, 5542..5655, 5543..5668		

Seq. No.	34326	Seq. ID	OJ990408_10.9819.C9
Gene No.	71084	Strand	-
Start	141	End	10156
Name	OJ990408_10.9819.C9.o3.np	Method	AAT/NAP
Start	6646	End	9683
GI	6006367	Score	64
Exons	6646..6699, 8023..8146, 9664..9683		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	34327	Seq. ID	OJ990408_10.9819.C10
Gene No.	71085	Strand	+
Start	1	End	9685
Name	OJ990408_10.9819.C10.o1.gp	Method	AAT/GAP
Start	1	End	79
GI	20855_1.R1084	Score	125
Exons	1..79		
GI Descrip.	'5881779/emb CAB55697.1 2.0e-43 (AL117386) putative protein [Arabidopsis thaliana]'		

Seq. No.	34327	Seq. ID	OJ990408_10.9819.C10
Gene No.	71085	Strand	+
Start	1	End	9685
Name	OJ990408_10.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	3446
GI	5881779	Score	352
Exons	1..79, 1322..1468, 2442..2487, 2918..2994, 3284..3446		
GI Descrip.	(AL117386) putative protein [Arabidopsis thaliana]		

Seq. No.	34327	Seq. ID	OJ990408_10.9819.C10
Gene No.	71085	Strand	+
Start	1	End	9685
Name	OJ990408_10.9819.C10.o1.gs	Method	GENSCAN
Start	63	End	8285

GI none Score .7
 Exons 63..194, 337..359, 1322..1468, 1868..1954, 2442..2487,
 2918..2994, 3284..3437, 3946..4137, 4983..5069, 5210..5484,
 6986..7064, 7120..7243, 7399..7610, 7938..8285

Seq. No. 34327 Seq. ID OJ990408_10.9819.C10
 Gene No. 71085 Strand +
 Start 1 End 9685
 Name OJ990408_10.9819.C10.o2.gp Method AAT/GAP
 Start 1321 End 1472
 GI 20855_1.R1084 Score 241
 Exons 1321..1472
 GI Descrip. '5881779/emb|CAB55697.1| 2.0e-43 (AL117386) putative protein
 [Arabidopsis thaliana]'

Seq. No. 34327 Seq. ID OJ990408_10.9819.C10
 Gene No. 71085 Strand +
 Start 1 End 9685
 Name OJ990408_10.9819.C10.o3.gp Method AAT/GAP
 Start 3349 End 5404
 GI 27880_1.R1084 Score 908
 Exons 3349..3437, 4069..4137, 4473..4532, 4983..5069, 5210..5404
 GI Descrip. '5881778/emb|CAB55696.1| 9.0e-13 (AL117386) putative protein
 [Arabidopsis thaliana]'

Seq. No. 34327 Seq. ID OJ990408_10.9819.C10
 Gene No. 71085 Strand +
 Start 1 End 9685
 Name OJ990408_10.9819.C10.o2.np Method AAT/NAP
 Start 5161 End 5500
 GI 5881778 Score 183
 Exons 5161..5500
 GI Descrip. (AL117386) putative protein [Arabidopsis thaliana]

Seq. No. 34327 Seq. ID OJ990408_10.9819.C10
 Gene No. 71085 Strand +
 Start 1 End 9685
 Name OJ990408_10.9819.C10.o3.np Method AAT/NAP
 Start 7087 End 9685
 GI 4481948 Score 292
 Exons 7087..7610, 7938..8255, 8332..8485, 9233..9685
 GI Descrip. (AL035637) hypothetical protein [Schizosaccharomyces pombe]

Seq. No. 34327 Seq. ID OJ990408_10.9819.C10
 Gene No. 71086 Strand -
 Start 9209 End 10009
 Name OJ990408_10.9819.C10.o4.tm Method TBLASTX:Maize
 Start 2 End 1963
 GI none Score 104
 Exons 2..85, 3..74, 1311..1469, 1321..1470, 1323..1469, 1835..1963,
 1847..1936, 1848..1958

Seq. No. 34327 Seq. ID OJ990408_10.9819.C10
 Gene No. 71086 Strand -
 Start 9209 End 10009
 Name OJ990408_10.9819.C10.o5.tm Method TBLASTX:Maize
 Start 2443 End 3440

GI	none	Score	81
Exons	2443..2487, 2445..2486, 2449..2487, 2906..2995, 2915..2995, 2917..3009, 3277..3435, 3283..3435, 3285..3440		

Seq. No.	34327	Seq. ID	OJ990408_10.9819.C10
Gene No.	71086	Strand	-
Start	9209	End	10009
Name	OJ990408_10.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	4018	End	5515
GI	none	Score	163
Exons	4018..4155, 4021..4149, 4467..4529, 4472..4534, 4981..5070, 4982..5074, 4983..5069, 4984..5070, 5186..5467, 5204..5515, 5209..5505		

Seq. No.	34327	Seq. ID	OJ990408_10.9819.C10
Gene No.	71086	Strand	-
Start	9209	End	10009
Name	OJ990408_10.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	4059	End	5488
GI	none	Score	88
Exons	4059..4127, 4066..4149, 4066..4143, 4467..4535, 5204..5488, 5207..5446, 5209..5463		

Seq. No.	34327	Seq. ID	OJ990408_10.9819.C10
Gene No.	71086	Strand	-
Start	9209	End	10009
Name	OJ990408_10.9819.C10.o2.tc	Method	TBLASTX:Cress
Start	5236	End	5452
GI	none	Score	128
Exons	5236..5364, 5237..5344, 5357..5452, 5368..5451		

Seq. No.	34327	Seq. ID	OJ990408_10.9819.C10
Gene No.	71086	Strand	-
Start	9209	End	10009
Name	OJ990408_10.9819.C10.o3.ts	Method	TBLASTX:Soybean
Start	7076	End	7264
GI	none	Score	142
Exons	7076..7171, 7087..7155, 7193..7264, 7219..7260		

Seq. No.	34327	Seq. ID	OJ990408_10.9819.C10
Gene No.	71086	Strand	-
Start	9209	End	10009
Name	OJ990408_10.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	7079	End	8063
GI	none	Score	129
Exons	7079..7171, 7187..7264, 7401..7646, 7478..7603, 7932..8063, 7937..8059		

Seq. No.	34327	Seq. ID	OJ990408_10.9819.C10
Gene No.	71086	Strand	-
Start	9209	End	10009
Name	OJ990408_10.9819.C10.o3.tm	Method	TBLASTX:Maize
Start	7220	End	7579
GI	none	Score	128
Exons	7220..7294, 7222..7263, 7247..7291, 7369..7440, 7370..7576, 7398..7517, 7401..7577, 7466..7579		

Seq. No.	34327	Seq. ID	OJ990408_10.9819.C10
Gene No.	71086	Strand	-
Start	9209	End	10009
Name	OJ990408_10.9819.C10.o2.ts	Method	TBLASTX:Soybean
Start	7398	End	7610
GI	none	Score	249
Exons	7398..7517, 7401..7610, 7478..7609		

Seq. No.	34327	Seq. ID	OJ990408_10.9819.C10
Gene No.	71086	Strand	-
Start	9209	End	10009
Name	OJ990408_10.9819.C10.o2.gs	Method	GENSCAN
Start	9209	End	9767
GI	none	Score	.98
Exons	9209..9767		

Seq. No.	34327	Seq. ID	OJ990408_10.9819.C10
Gene No.	71086	Strand	-
Start	9209	End	10009
Name	OJ990408_10.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	9227	End	9585
GI	none	Score	512
Exons	9227..9583, 9227..9460, 9238..9585		

Seq. No.	34327	Seq. ID	OJ990408_10.9819.C10
Gene No.	71086	Strand	-
Start	9209	End	10009
Name	OJ990408_10.9819.C10.o4.gp	Method	AAT/GAP
Start	9666	End	10009
GI	none	Score	618
Exons	9666..10009		

Seq. No.	34328	Seq. ID	OJ990408_10.9819.C11
Gene No.	71087	Strand	+
Start	1468	End	1573
Name	OJ990408_10.9819.C11.o1.gp	Method	AAT/GAP
Start	1468	End	1573
GI	LIB3477-003-P1-K1-E9	Score	128
Exons	1468..1573		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s.1 [Oryza sativa]'		

Seq. No.	34329	Seq. ID	OJ990408_10.9819.C12
Gene No.	71088	Strand	+
Start	3766	End	3973
Name	OJ990408_10.9819.C12.o2.gp	Method	AAT/GAP
Start	3766	End	3973
GI	none	Score	375
Exons	3766..3973		

Seq. No.	34329	Seq. ID	OJ990408_10.9819.C12
Gene No.	71089	Strand	-
Start	224	End	1559
Name	OJ990408_10.9819.C12.o1.gs	Method	GENSCAN
Start	224	End	1559
GI	none	Score	.61

Exons 224..321, 805..917, 1423..1484, 1542..1559

Seq. No.	34329	Seq. ID	OJ990408_10.9819.C12
Gene No.	71090	Strand	-
Start	2469	End	2988
Name	OJ990408_10.9819.C12.o2.gs	Method	GENSCAN
Start	2469	End	2988
GI	none	Score	.54
Exons	2469..2664, 2745..2988		

Seq. No.	34330	Seq. ID	OJ990408_10.9819.C14
Gene No.	71091	Strand	+
Start	3303	End	5745
Name	OJ990408_10.9819.C14.o1.gs	Method	GENSCAN
Start	3303	End	5610
GI	none	Score	.9
Exons	3303..3418, 3526..3565, 3591..3704, 3968..4050, 4162..4315, 4458..4587, 4678..4787, 4899..5096, 5263..5343, 5449..5610		

Seq. No.	34330	Seq. ID	OJ990408_10.9819.C14
Gene No.	71091	Strand	+
Start	3303	End	5745
Name	OJ990408_10.9819.C14.o1.np	Method	AAT/NAP
Start	3618	End	5745
GI	2829925	Score	966
Exons	3618..3704, 3795..3848, 3965..4050, 4162..4315, 4458..4587, 4678..4836, 4918..5096, 5449..5574, 5668..5745		
GI Descrip.	(AC002291) Similar to dnaj-like protein, gp Y11969 2230757 [Arabidopsis thaliana]		

Seq. No.	34330	Seq. ID	OJ990408_10.9819.C14
Gene No.	71092	Strand	+
Start	6307	End	6814
Name	OJ990408_10.9819.C14.o1.gp	Method	AAT/GAP
Start	6307	End	6814
GI	36648_1.R1084	Score	740
Exons	6307..6814		
GI Descrip.	'58067/emb X52325 ARBLSKP 2.0e-13 pBluescript SK(+) vector DNA, phagemid excised from lambda ZAP'		

Seq. No.	34330	Seq. ID	OJ990408_10.9819.C14
Gene No.	71093	Strand	-
Start	6575	End	8299
Name	OJ990408_10.9819.C14.o3.tc	Method	TBLASTX:Cress
Start	3572	End	4048
GI	none	Score	111
Exons	3572..3709, 3624..3704, 3789..3860, 3803..3856, 3962..4045, 3965..4048		

Seq. No.	34330	Seq. ID	OJ990408_10.9819.C14
Gene No.	71093	Strand	-
Start	6575	End	8299
Name	OJ990408_10.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	3623	End	5343
GI	none	Score	111
Exons	3623..3709, 3624..3704, 3789..3860, 3794..3856, 3934..4050, 3965..4048, 4156..4269, 4163..4240, 4461..4583, 4674..4838,		

4682..4840, 4916..5098, 4917..5099, 5259..5342, 5263..5343

Seq. No.	34330	Seq. ID	OJ990408_10.9819.C14
Gene No.	71093	Strand	-
Start	6575	End	8299
Name	OJ990408_10.9819.C14.o2.tm	Method	TBLASTX:Maize
Start	3623	End	4214
GI	none	Score	136
Exons	3623..3703, 3624..3704, 3789..3860, 3794..3853, 3948..4037, 3965..4051, 4159..4212, 4160..4213, 4161..4214		

Seq. No.	34330	Seq. ID	OJ990408_10.9819.C14
Gene No.	71093	Strand	-
Start	6575	End	8299
Name	OJ990408_10.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	3624	End	4039
GI	none	Score	103
Exons	3624..3704, 3626..3703, 3680..3712, 3789..3854, 3794..3856, 3794..3859, 3965..4039, 3973..4032		

Seq. No.	34330	Seq. ID	OJ990408_10.9819.C14
Gene No.	71093	Strand	-
Start	6575	End	8299
Name	OJ990408_10.9819.C14.o1.tc	Method	TBLASTX:Cress
Start	4159	End	5120
GI	none	Score	131
Exons	4159..4272, 4160..4315, 4169..4303, 4454..4543, 4455..4580, 4674..4838, 4676..4840, 4865..5104, 4917..5099, 4998..5120		

Seq. No.	34330	Seq. ID	OJ990408_10.9819.C14
Gene No.	71093	Strand	-
Start	6575	End	8299
Name	OJ990408_10.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	4455	End	5020
GI	none	Score	190
Exons	4455..4586, 4460..4543, 4662..4838, 4679..4840, 4916..5020, 4921..5019		

Seq. No.	34330	Seq. ID	OJ990408_10.9819.C14
Gene No.	71093	Strand	-
Start	6575	End	8299
Name	OJ990408_10.9819.C14.o2.tw	Method	TBLASTX:Wheat
Start	4676	End	5099
GI	none	Score	72
Exons	4676..4804, 4676..4840, 4677..4838, 4940..5098, 4968..5099		

Seq. No.	34330	Seq. ID	OJ990408_10.9819.C14
Gene No.	71093	Strand	-
Start	6575	End	8299
Name	OJ990408_10.9819.C14.o2.gs	Method	GENSCAN
Start	6575	End	8124
GI	none	Score	.8
Exons	6575..6946, 7554..7655, 7861..8124		

Seq. No.	34330	Seq. ID	OJ990408_10.9819.C14
Gene No.	71093	Strand	-
Start	6575	End	8299

Name	OJ990408_10.9819.C14.o2.np	Method	AAT/NAP
Start	6578	End	8299
GI	2829923	Score	572
Exons	6578..6683, 6717..6946, 7554..7655, 7861..8026, 8057..8184, 8215..8299		
GI Descrip.	(AC002291) Similar to uridylyl transferases [Arabidopsis thaliana]		

Seq. No.	34330	Seq. ID	OJ990408_10.9819.C14
Gene No.	71093	Strand	-
Start	6575	End	8299
Name	OJ990408_10.9819.C14.o2.tc	Method	TBLASTX:Cress
Start	6717	End	8026
GI	none	Score	186
Exons	6717..6953, 6719..6949, 7554..7610, 7861..8025, 7877..8026		

Seq. No.	34330	Seq. ID	OJ990408_10.9819.C14
Gene No.	71093	Strand	-
Start	6575	End	8299
Name	OJ990408_10.9819.C14.o2.ts	Method	TBLASTX:Soybean
Start	6765	End	8151
GI	none	Score	170
Exons	6765..6947, 6767..6949, 6782..6922, 7554..7610, 7876..8028, 7877..8029, 8113..8151		

Seq. No.	34330	Seq. ID	OJ990408_10.9819.C14
Gene No.	71093	Strand	-
Start	6575	End	8299
Name	OJ990408_10.9819.C14.o3.tm	Method	TBLASTX:Maize
Start	6774	End	7634
GI	none	Score	195
Exons	6774..6947, 6776..6949, 6776..6949, 7546..7632, 7546..7626, 7554..7634		

Seq. No.	34331	Seq. ID	OJ990408_10.9819.C15
Gene No.	71094	Strand	-
Start	1	End	2461
Name	OJ990408_10.9819.C15.o1.np	Method	AAT/NAP
Start	1	End	1329
GI	2829923	Score	411
Exons	1..243, 677..744, 853..967, 1091..1136, 1259..1329		
GI Descrip.	(AC002291) Similar to uridylyl transferases [Arabidopsis thaliana]		

Seq. No.	34331	Seq. ID	OJ990408_10.9819.C15
Gene No.	71094	Strand	-
Start	1	End	2461
Name	OJ990408_10.9819.C15.o1.gs	Method	GENSCAN
Start	48	End	2345
GI	none	Score	.67
Exons	48..243, 677..744, 853..967, 1091..1193, 1558..1628, 2307..2345		

Seq. No.	34331	Seq. ID	OJ990408_10.9819.C15
Gene No.	71094	Strand	-
Start	1	End	2461
Name	OJ990408_10.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	49	End	1311

GI	none	Score	125
Exons	49..192, 50..193, 674..745, 675..749, 854..967, 855..968, 1088..1135, 1261..1311		

Seq. No.	34331	Seq. ID	OJ990408_10.9819.C15
Gene No.	71094	Strand	-
Start	1	End	2461
Name	OJ990408_10.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	680	End	1290
GI	none	Score	58
Exons	680..745, 681..749, 854..967, 855..986, 1088..1138, 1258..1290		

Seq. No.	34331	Seq. ID	OJ990408_10.9819.C15
Gene No.	71094	Strand	-
Start	1	End	2461
Name	OJ990408_10.9819.C15.o1.gp	Method	AAT/GAP
Start	1938	End	2461
GI	none	Score	870
Exons	1938..2461		

Seq. No.	34332	Seq. ID	OJ990408_10.9819.C16
Gene No.	71095	Strand	+
Start	287	End	600
Name	OJ990408_10.9819.C16.o1.gs	Method	GENSCAN
Start	287	End	600
GI	none	Score	.73
Exons	287..600		

Seq. No.	34333	Seq. ID	OJ990408_10.9819.C17
Gene No.	71096	Strand	-
Start	1	End	823
Name	OJ990408_10.9819.C17.o1.np	Method	AAT/NAP
Start	1	End	525
GI	5881779	Score	249
Exons	1..83, 251..525		
GI Descrip.	(AL117386) putative protein [Arabidopsis thaliana]		

Seq. No.	34333	Seq. ID	OJ990408_10.9819.C17
Gene No.	71096	Strand	-
Start	1	End	823
Name	OJ990408_10.9819.C17.o1.gs	Method	GENSCAN
Start	110	End	648
GI	none	Score	.43
Exons	110..205, 211..648		

Seq. No.	34333	Seq. ID	OJ990408_10.9819.C17
Gene No.	71096	Strand	-
Start	1	End	823
Name	OJ990408_10.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	241	End	486
GI	none	Score	87
Exons	241..339, 245..484, 256..486		

Seq. No.	34333	Seq. ID	OJ990408_10.9819.C17
Gene No.	71096	Strand	-
Start	1	End	823
Name	OJ990408_10.9819.C17.o1.tc	Method	TBLASTX:Cress

Start 245
GI none
Exons 245..454, 259..486

End 486
Score 144

Seq. No. 34333
Gene No. 71096
Start 1
Name OJ990408_10.9819.C17.o1.tm
Start 245
GI none
Exons 245..484, 256..486

Seq. ID OJ990408_10.9819.C17
Strand -
End 823
Method TBLASTX:Maize
End 486
Score 285

Seq. No. 34333
Gene No. 71096
Start 1
Name OJ990408_10.9819.C17.o1.gp
Start 251
GI 20855_1.R1084
Exons 251..669, 788..823
GI Descrip. '5881779/emb|CAB55697.1| 2.0e-43 (AL117386) putative protein [Arabidopsis thaliana]'

Seq. ID OJ990408_10.9819.C17
Strand -
End 823
Method AAT/GAP
End 823
Score 808

Seq. No. 34334
Gene No. 71097
Start 1
Name OJ990408_10.9819.C21.o1.np
Start 1
GI 3688193
Exons 1..182, 271..346, 1006..1065, 1166..1273, 1417..1613, 2081..2447
GI Descrip. (AJ010091) MAP3K alpha 1 protein kinase [Brassica napus]

Seq. ID OJ990408_10.9819.C21
Strand +
End 2504
Method AAT/NAP
End 2447
Score 650

Seq. No. 34334
Gene No. 71097
Start 1
Name OJ990408_10.9819.C21.o1.tc
Start 27
GI none
Exons 27..182, 28..183, 28..192, 263..295, 1033..1068, 1035..1067, 1165..1275, 1184..1276, 1416..1565, 1417..1575, 2205..2294, 2206..2307

Seq. ID OJ990408_10.9819.C21
Strand +
End 2504
Method TBLASTX:Cress
End 2307
Score 239

Seq. No. 34334
Gene No. 71097
Start 1
Name OJ990408_10.9819.C21.o1.tm
Start 27
GI none
Exons 27..182, 28..183, 38..235, 238..345, 261..368, 263..385, 266..349, 291..350

Seq. ID OJ990408_10.9819.C21
Strand +
End 2504
Method TBLASTX:Maize
End 385
Score 241

Seq. No. 34334
Gene No. 71097
Start 1
Name OJ990408_10.9819.C21.o1.ts
Start 28
GI none
Exons 28..222, 44..235, 45..182, 262..345, 263..346, 264..347,

Seq. ID OJ990408_10.9819.C21
Strand +
End 2504
Method TBLASTX:Soybean
End 369
Score 250

268..369

Seq. No.	34334	Seq. ID	OJ990408_10.9819.C21
Gene No.	71097	Strand	+
Start	1	End	2504
Name	OJ990408_10.9819.C21.o1.gp	Method	AAT/GAP
Start	268	End	1476
GI	LIB3474-005-P1-K1-G2	Score	554
Exons	268..346, 1006..1065, 1166..1273, 1417..1476		
GI Descrip.	'3688193/emb CAA08995.1 5.0e-42 (AJ010091) MAP3K alpha 1 protein kinase [Brassica napus]'		

Seq. No.	34334	Seq. ID	OJ990408_10.9819.C21
Gene No.	71097	Strand	+
Start	1	End	2504
Name	OJ990408_10.9819.C21.o1.gs	Method	GENSCAN
Start	271	End	2504
GI	none	Score	.83
Exons	271..346, 1006..1065, 1417..1656, 1992..2504		

Seq. No.	34334	Seq. ID	OJ990408_10.9819.C21
Gene No.	71097	Strand	+
Start	1	End	2504
Name	OJ990408_10.9819.C21.o2.ts	Method	TBLASTX:Soybean
Start	993	End	2307
GI	none	Score	89
Exons	993..1067, 994..1068, 1164..1271, 1164..1271, 1165..1272, 1165..1275, 1184..1276, 1416..1610, 1417..1614, 2208..2255, 2221..2307		

Seq. No.	34334	Seq. ID	OJ990408_10.9819.C21
Gene No.	71097	Strand	+
Start	1	End	2504
Name	OJ990408_10.9819.C21.o2.tm	Method	TBLASTX:Maize
Start	1165	End	2451
GI	none	Score	142
Exons	1165..1275, 1181..1276, 1416..1568, 1416..1604, 1417..1593, 2045..2095, 2046..2102, 2161..2322, 2192..2317, 2193..2318, 2353..2451		

Seq. No.	34335	Seq. ID	OJ990408_10.9819.C22
Gene No.	71098	Strand	-
Start	807	End	921
Name	OJ990408_10.9819.C22.o1.gs	Method	GENSCAN
Start	807	End	921
GI	none	Score	.77
Exons	807..921		

Seq. No.	34336	Seq. ID	OJ990408_10.9819.C23
Gene No.	71099	Strand	-
Start	5378	End	6379
Name	OJ990408_10.9819.C23.o1.np	Method	AAT/NAP
Start	5378	End	6379
GI	4490743	Score	651
Exons	5378..6379		
GI Descrip.	(AL035708) putative protein [Arabidopsis thaliana]		

Seq. No.	34336	Seq. ID	OJ990408_10.9819.C23
Gene No.	71100	Strand	-
Start	6747	End	7091
Name	OJ990408_10.9819.C23.o1.ts	Method	TBLASTX:Soybean
Start	5378	End	5674
GI	none	Score	197
Exons	5378..5674, 5393..5674		

Seq. No.	34336	Seq. ID	OJ990408_10.9819.C23
Gene No.	71100	Strand	-
Start	6747	End	7091
Name	OJ990408_10.9819.C23.o1.tc	Method	TBLASTX:Cress
Start	5426	End	5737
GI	none	Score	86
Exons	5426..5518, 5433..5489, 5504..5668, 5507..5737, 5556..5726		

Seq. No.	34336	Seq. ID	OJ990408_10.9819.C23
Gene No.	71100	Strand	-
Start	6747	End	7091
Name	OJ990408_10.9819.C23.o2.gs	Method	GENSCAN
Start	6747	End	7091
GI	none	Score	96
Exons	6747..7091		

Seq. No.	34337	Seq. ID	OJ990408_10.9819.C26
Gene No.	71101	Strand	-
Start	1	End	8788
Name	OJ990408_10.9819.C26.o1.gp	Method	AAT/GAP
Start	1	End	1383
GI	none	Score	1638
Exons	1..436, 852..1383		

Seq. No.	34337	Seq. ID	OJ990408_10.9819.C26
Gene No.	71101	Strand	-
Start	1	End	8788
Name	OJ990408_10.9819.C26.o1.gs	Method	GENSCAN
Start	149	End	1235
GI	none	Score	1
Exons	149..436, 852..1235		

Seq. No.	34337	Seq. ID	OJ990408_10.9819.C26
Gene No.	71101	Strand	-
Start	1	End	8788
Name	OJ990408_10.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	200	End	1265
GI	none	Score	42
Exons	200..352, 201..257, 278..439, 279..347, 852..1022, 853..993, 1086..1118, 1200..1265		

Seq. No.	34337	Seq. ID	OJ990408_10.9819.C26
Gene No.	71101	Strand	-
Start	1	End	8788
Name	OJ990408_10.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	218	End	1022
GI	none	Score	70
Exons	218..355, 278..439, 852..926, 853..912, 912..1022, 922..990		

Seq. No.	34337	Seq. ID	OJ990408_10.9819.C26
Gene No.	71101	Strand	-
Start	1	End	8788
Name	OJ990408_10.9819.C26.o2.np	Method	AAT/NAP
Start	277	End	8788
GI	6683494	Score	132
Exons	277..303, 6683..6815, 7505..7677, 7804..7921, 8733..8788		
GI Descrip.	(AB032252) bromodomain adjacent to zinc finger domain 1A [Homo sapiens]		

Seq. No.	34337	Seq. ID	OJ990408_10.9819.C26
Gene No.	71101	Strand	-
Start	1	End	8788
Name	OJ990408_10.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	852	End	1022
GI	none	Score	65
Exons	852..926, 853..912, 915..1022, 916..993		

Seq. No.	34337	Seq. ID	OJ990408_10.9819.C26
Gene No.	71101	Strand	-
Start	1	End	8788
Name	OJ990408_10.9819.C26.o2.gs	Method	GENSCAN
Start	4338	End	8382
GI	none	Score	.68
Exons	4338..4488, 5168..5244, 5375..5758, 6195..6371, 6454..6812, 8322..8382		

Seq. No.	34337	Seq. ID	OJ990408_10.9819.C26
Gene No.	71101	Strand	-
Start	1	End	8788
Name	OJ990408_10.9819.C26.o2.gp	Method	AAT/GAP
Start	4383	End	5491
GI	none	Score	832
Exons	4383..4488, 4910..4998, 5083..5244, 5375..5491		

Seq. No.	34337	Seq. ID	OJ990408_10.9819.C26
Gene No.	71101	Strand	-
Start	1	End	8788
Name	OJ990408_10.9819.C26.o2.tm	Method	TBLASTX:Maize
Start	4426	End	5211
GI	none	Score	71
Exons	4426..4491, 4428..4490, 4429..4491, 4906..5001, 4910..4993, 4912..5001, 5075..5209, 5080..5211, 5081..5209		

Seq. No.	34337	Seq. ID	OJ990408_10.9819.C26
Gene No.	71101	Strand	-
Start	1	End	8788
Name	OJ990408_10.9819.C26.o3.ts	Method	TBLASTX:Soybean
Start	5522	End	5761
GI	none	Score	213
Exons	5522..5761		

Seq. No.	34337	Seq. ID	OJ990408_10.9819.C26
Gene No.	71101	Strand	-
Start	1	End	8788
Name	OJ990408_10.9819.C26.o3.tm	Method	TBLASTX:Maize
Start	5940	End	6519

GI	none	Score	235
Exons	5940..6182, 5941..6183, 5945..6184, 6301..6354, 6445..6519, 6454..6519		

Seq. No.	34337	Seq. ID	OJ990408_10.9819.C26
Gene No.	71101	Strand	-
Start	1	End	8788
Name	OJ990408_10.9819.C26.o4.ts	Method	TBLASTX:Soybean
Start	6449	End	6673
GI	none	Score	115
Exons	6449..6661, 6457..6672, 6460..6663, 6473..6673		

Seq. No.	34337	Seq. ID	OJ990408_10.9819.C26
Gene No.	71101	Strand	-
Start	1	End	8788
Name	OJ990408_10.9819.C26.o5.tm	Method	TBLASTX:Maize
Start	6520	End	6700
GI	none	Score	153
Exons	6520..6699, 6520..6699, 6521..6700		

Seq. No.	34337	Seq. ID	OJ990408_10.9819.C26
Gene No.	71101	Strand	-
Start	1	End	8788
Name	OJ990408_10.9819.C26.o4.tm	Method	TBLASTX:Maize
Start	6736	End	7944
GI	none	Score	93
Exons	6736..6807, 6737..6808, 7454..7633, 7477..7668, 7503..7676, 7504..7680, 7506..7673, 7803..7916, 7806..7931, 7807..7935, 7807..7944, 7808..7942		

Seq. No.	34337	Seq. ID	OJ990408_10.9819.C26
Gene No.	71101	Strand	-
Start	1	End	8788
Name	OJ990408_10.9819.C26.o2.ts	Method	TBLASTX:Soybean
Start	7503	End	7680
GI	none	Score	103
Exons	7503..7676, 7513..7680		

Seq. No.	34338	Seq. ID	OJ990408_10.9819.C27
Gene No.	71102	Strand	-
Start	2011	End	2634
Name	OJ990408_10.9819.C27.o1.gs	Method	GENSCAN
Start	2011	End	2634
GI	none	Score	.98
Exons	2011..2312, 2521..2634		

Seq. No.	34339	Seq. ID	OJ990308_04.9819.C4
Gene No.	71103	Strand	+
Start	1	End	1598
Name	OJ990308_04.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	1598
GI	6721512	Score	56
Exons	1..40, 195..306, 1411..1598		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	34339	Seq. ID	OJ990308_04.9819.C4
Gene No.	71103	Strand	+

Start	1	End	1598
Name	OJ990308_04.9819.C4.o1.gs	Method	GENSCAN
Start	195	End	328
GI	none	Score	1
Exons	195..328		

Seq. No.	34339	Seq. ID	OJ990308_04.9819.C4
Gene No.	71104	Strand	-
Start	1	End	1423
Name	OJ990308_04.9819.C4.o2.np	Method	AAT/NAP
Start	1	End	1423
GI	1177405	Score	152
Exons	1..26, 1135..1423		
GI Descrip.	(X89855) citrate binding protein [Hevea brasiliensis]		

Seq. No.	34339	Seq. ID	OJ990308_04.9819.C4
Gene No.	71104	Strand	-
Start	1	End	1423
Name	OJ990308_04.9819.C4.o2.gs	Method	GENSCAN
Start	1119	End	1366
GI	none	Score	.55
Exons	1119..1298, 1304..1366		

Seq. No.	34340	Seq. ID	OJ990308_04.9819.C5
Gene No.	71105	Strand	+
Start	323	End	4680
Name	OJ990308_04.9819.C5.o1.gs	Method	GENSCAN
Start	323	End	4680
GI	none	Score	.43
Exons	323..398, 3238..3408, 3574..3664, 3699..3919, 4550..4680		

Seq. No.	34341	Seq. ID	OJ990308_04.9819.C6
Gene No.	71106	Strand	+
Start	16	End	662
Name	OJ990308_04.9819.C6.o1.gs	Method	GENSCAN
Start	16	End	662
GI	none	Score	.74
Exons	16..202, 283..662		

Seq. No.	34341	Seq. ID	OJ990308_04.9819.C6
Gene No.	71107	Strand	+
Start	4080	End	7564
Name	OJ990308_04.9819.C6.o2.gs	Method	GENSCAN
Start	4080	End	7564
GI	none	Score	.71
Exons	4080..4088, 6445..6591, 6754..6822, 6854..7165, 7250..7564		

Seq. No.	34341	Seq. ID	OJ990308_04.9819.C6
Gene No.	71108	Strand	+
Start	12817	End	13277
Name	OJ990308_04.9819.C6.o3.gs	Method	GENSCAN
Start	12817	End	13277
GI	none	Score	.92
Exons	12817..12880, 12955..13277		

Seq. No.	34341	Seq. ID	OJ990308_04.9819.C6
Gene No.	71109	Strand	-

Start	10011	End	11246
Name	OJ990308_04.9819.C6.o1.np	Method	AAT/NAP
Start	10011	End	11246
GI	5777634	Score	70
Exons	10011..10099, 11224..11246		
GI Descrip.	(AJ245900) CAA303722.1 protein [Oryza sativa]		

Seq. No.	34341	Seq. ID	OJ990308_04.9819.C6
Gene No.	71110	Strand	-
Start	14939	End	21280
Name	OJ990308_04.9819.C6.o4.gs	Method	GENSCAN
Start	14939	End	21280
GI	none	Score	.54
Exons	14939..15435, 15751..15933, 16014..16129, 18381..18483, 20617..20820, 20995..21280		

Seq. No.	34341	Seq. ID	OJ990308_04.9819.C6
Gene No.	71110	Strand	-
Start	14939	End	21280
Name	OJ990308_04.9819.C6.o2.np	Method	AAT/NAP
Start	16122	End	20180
GI	6063557	Score	34
Exons	16122..16149, 19761..19883, 20133..20180		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	34341	Seq. ID	OJ990308_04.9819.C6
Gene No.	71110	Strand	-
Start	14939	End	21280
Name	OJ990308_04.9819.C6.o1.gp	Method	AAT/GAP
Start	17825	End	18508
GI	uC-osroM202036d05b1	Score	421
Exons	17825..17860, 18192..18309, 18381..18508		
GI Descrip.	'3033397 1.0e-12 (AC004238) unknown protein [Arabidopsis thaliana]'		

Seq. No.	34341	Seq. ID	OJ990308_04.9819.C6
Gene No.	71110	Strand	-
Start	14939	End	21280
Name	OJ990308_04.9819.C6.o3.np	Method	AAT/NAP
Start	20617	End	21274
GI	5777618	Score	105
Exons	20617..20910, 21034..21274		
GI Descrip.	(AJ245900) CAA30376.1 protein [Oryza sativa]		

Seq. No.	34341	Seq. ID	OJ990308_04.9819.C6
Gene No.	71111	Strand	-
Start	21626	End	23803
Name	OJ990308_04.9819.C6.o5.gs	Method	GENSCAN
Start	21626	End	23803
GI	none	Score	.64
Exons	21626..22385, 23107..23195, 23228..23430, 23566..23803		

Seq. No.	34342	Seq. ID	OJ990308_04.9819.C7
Gene No.	71112	Strand	+
Start	1	End	6808
Name	OJ990308_04.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	6808

GI 5777618 Score 198
 Exons 1..47, 433..567, 1021..1378, 1718..1826, 5794..5903, 6783..6808
 GI Descrip. (AJ245900) CAA30376.1 protein [Oryza sativa]

Seq. No. 34342 Seq. ID OJ990308_04.9819.C7
 Gene No. 71112 Strand +
 Start 1 End 6808
 Name OJ990308_04.9819.C7.o1.gp Method AAT/GAP
 Start 347 End 1183
 GI 5803405 Score 708
 Exons 347..570, 1021..1183
 GI Descrip. 5777618/emb|CAB53479.1| 3.0e-15 (AJ245900) CAA30376.1 protein
 [Oryza sativa]

Seq. No. 34342 Seq. ID OJ990308_04.9819.C7
 Gene No. 71112 Strand +
 Start 1 End 6808
 Name OJ990308_04.9819.C7.o1.gs Method GENSCAN
 Start 412 End 1970
 GI none Score .85
 Exons 412..570, 1021..1378, 1718..1912, 1954..1970

Seq. No. 34342 Seq. ID OJ990308_04.9819.C7
 Gene No. 71112 Strand +
 Start 1 End 6808
 Name OJ990308_04.9819.C7.o2.np Method AAT/NAP
 Start 2219 End 5555
 GI 4235644 Score 70
 Exons 2219..2471, 5534..5555
 GI Descrip. (AF119040) polyprotein [Lycopersicon esculentum]

Seq. No. 34342 Seq. ID OJ990308_04.9819.C7
 Gene No. 71113 Strand +
 Start 14806 End 17701
 Name OJ990308_04.9819.C7.o3.gs Method GENSCAN
 Start 14806 End 17701
 GI none Score .46
 Exons 14806..14817, 15861..15991, 16090..16254, 17472..17577,
 17612..17701

Seq. No. 34342 Seq. ID OJ990308_04.9819.C7
 Gene No. 71114 Strand -
 Start 1712 End 2025
 Name OJ990308_04.9819.C7.o2.gp Method AAT/GAP
 Start 1712 End 2025
 GI 5803406 Score 576
 Exons 1712..2025

Seq. No. 34342 Seq. ID OJ990308_04.9819.C7
 Gene No. 71115 Strand -
 Start 2921 End 19201
 Name OJ990308_04.9819.C7.o2.gs Method GENSCAN
 Start 2921 End 13883
 GI none Score .7
 Exons 2921..3083, 3379..3509, 5952..6047, 6130..6533, 6673..6817,
 6860..7009, 8450..8533, 8982..9072, 9243..9370, 9523..9632,
 10133..10231, 10336..10385, 10489..10541, 10849..10966,

11349..11479, 12361..12890, 13679..13883

Seq. No.	34342	Seq. ID	OJ990308_04.9819.C7
Gene No.	71115	Strand	-
Start	2921	End	19201
Name	OJ990308_04.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	5919	End	9047
GI	none	Score	180
Exons	5919..6047, 5929..6051, 6116..6154, 6130..6153, 6148..6225, 6149..6226, 6370..6534, 6374..6556, 6377..6535, 6384..6539, 6671..6817, 6672..6818, 6673..6819, 6673..6819, 6914..7006, 6945..7007, 8450..8533, 8962..9039, 8972..9040, 8980..9039, 8982..9047, 8988..9044		

Seq. No.	34342	Seq. ID	OJ990308_04.9819.C7
Gene No.	71115	Strand	-
Start	2921	End	19201
Name	OJ990308_04.9819.C7.o3.np	Method	AAT/NAP
Start	6100	End	12713
GI	3287692	Score	906
Exons	6100..6222, 6367..6595, 6695..6817, 6947..7009, 8450..8522, 9243..9370, 9523..9632, 10133..10231, 10336..10385, 10489..10541, 10849..10966, 11349..11479, 12361..12713		

GI Descrip. (AC003979) Similar to tRNA adenylyltransferase gb|U15930 from Lupinus albus. EST gb|AA721797 comes from this gene. [Arabidopsis thaliana]

Seq. No.	34342	Seq. ID	OJ990308_04.9819.C7
Gene No.	71115	Strand	-
Start	2921	End	19201
Name	OJ990308_04.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	9243	End	10364
GI	none	Score	157
Exons	9243..9368, 9245..9373, 9520..9633, 9524..9634, 10131..10232, 10134..10259, 10135..10233, 10329..10364		

Seq. No.	34342	Seq. ID	OJ990308_04.9819.C7
Gene No.	71115	Strand	-
Start	2921	End	19201
Name	OJ990308_04.9819.C7.o4.np	Method	AAT/NAP
Start	13689	End	19201
GI	6069646	Score	82
Exons	13689..13930, 14266..14349, 19158..19201		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	34342	Seq. ID	OJ990308_04.9819.C7
Gene No.	71115	Strand	-
Start	2921	End	19201
Name	OJ990308_04.9819.C7.o4.gs	Method	GENSCAN
Start	17971	End	19121
GI	none	Score	.61
Exons	17971..18127, 18995..19121		

Seq. No.	34343	Seq. ID	OJ990308_04.9819.C8
Gene No.	71116	Strand	+
Start	1510	End	1748
Name	OJ990308_04.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	336	End	630
GI	none	Score	64
Exons	336..383, 337..387, 372..488, 379..507, 382..501, 511..630, 519..629		

Seq. No.	34343	Seq. ID	OJ990308_04.9819.C8
Gene No.	71116	Strand	+
Start	1510	End	1748
Name	OJ990308_04.9819.C8.o1.gs	Method	GENSCAN
Start	1510	End	1748
GI	none	Score	.49
Exons	1510..1598, 1616..1748		

Seq. No.	34344	Seq. ID	OJ990308_04.9819.C9
Gene No.	71117	Strand	+
Start	674	End	2149
Name	OJ990308_04.9819.C9.o1.gs	Method	GENSCAN
Start	674	End	2149
GI	none	Score	97
Exons	674..735, 2071..2149		

Seq. No.	34344	Seq. ID	OJ990308_04.9819.C9
Gene No.	71118	Strand	-
Start	3362	End	3688
Name	OJ990308_04.9819.C9.o1.np	Method	AAT/NAP
Start	3313	End	3688
GI	1177405	Score	218
Exons	3313..3688		
GI Descrip.	(X89855) citrate binding protein [Hevea brasiliensis]		

Seq. No.	34344	Seq. ID	OJ990308_04.9819.C9
Gene No.	71118	Strand	-
Start	3362	End	3688
Name	OJ990308_04.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	3360	End	3686
GI	none	Score	65
Exons	3360..3473, 3368..3472, 3464..3652, 3465..3653, 3633..3686		

Seq. No.	34344	Seq. ID	OJ990308_04.9819.C9
Gene No.	71118	Strand	-
Start	3362	End	3688
Name	OJ990308_04.9819.C9.o2.gs	Method	GENSCAN
Start	3362	End	3664
GI	none	Score	.99
Exons	3362..3664		

Seq. No.	34345	Seq. ID	OJ990308_04.9819.C10
Gene No.	71119	Strand	+
Start	2438	End	4591
Name	OJ990308_04.9819.C10.o2.np	Method	AAT/NAP
Start	2438	End	4591
GI	4680191	Score	41
Exons	2438..2501, 3896..3991, 4539..4591		

GI Descrip. (AF111710) putative myb-related protein [Oryza sativa subsp. indica]

Seq. No.	34345	Seq. ID	OJ990308_04.9819.C10
Gene No.	71120	Strand	-
Start	1	End	622
Name	OJ990308_04.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	622
GI	1177405	Score	147
Exons	1..25, 347..622		

GI Descrip. (X89855) citrate binding protein [Hevea brasiliensis]

Seq. No.	34345	Seq. ID	OJ990308_04.9819.C10
Gene No.	71120	Strand	-
Start	1	End	622
Name	OJ990308_04.9819.C10.o1.gs	Method	GENSCAN
Start	343	End	594
GI	none	Score	.72
Exons	343..594		

Seq. No.	34345	Seq. ID	OJ990308_04.9819.C10
Gene No.	71121	Strand	-
Start	1073	End	13393
Name	OJ990308_04.9819.C10.o2.gs	Method	GENSCAN
Start	1073	End	13125
GI	none	Score	.84
Exons	1073..1138, 1906..2067, 3869..3986, 4037..4144, 6057..6295, 7050..7178, 7580..7698, 8038..8146, 8762..8849, 9080..9117, 9204..9380, 11038..11125, 11202..11325, 11444..11538, 11617..11753, 13027..13125		

Seq. No.	34345	Seq. ID	OJ990308_04.9819.C10
Gene No.	71121	Strand	-
Start	1073	End	13393
Name	OJ990308_04.9819.C10.o1.gp	Method	AAT/GAP
Start	5994	End	7133
GI	6024930	Score	966
Exons	5994..6295, 6589..6652, 6831..6955, 7050..7133		
GI Descrip.	5091541/gb AAD39570.1 AC007067_10 5.0e-26 (AC007067) T10024.10 [Arabidopsis thaliana]		

Seq. No.	34345	Seq. ID	OJ990308_04.9819.C10
Gene No.	71121	Strand	-
Start	1073	End	13393
Name	OJ990308_04.9819.C10.o3.np	Method	AAT/NAP
Start	6050	End	13393
GI	5091541	Score	1762
Exons	6050..6295, 6590..6655, 6831..6955, 7050..7178, 7580..7727, 7804..7873, 8038..8146, 8238..8417, 8762..8849, 9080..9117, 9204..9380, 10724..10776, 10868..10967, 11011..11125, 11202..11326, 11436..11753, 13027..13125, 13209..13393		
GI Descrip.	(AC007067) T10024.10 [Arabidopsis thaliana]		

Seq. No.	34345	Seq. ID	OJ990308_04.9819.C10
Gene No.	71121	Strand	-
Start	1073	End	13393
Name	OJ990308_04.9819.C10.o3.tm	Method	TBLASTX:Maize

Start	6846	End	7176
GI	none	Score	146
Exons	6846..6956, 6848..6958, 6849..6956, 6854..6958, 7048..7176, 7050..7154		

Seq. No.	34345	Seq. ID	OJ990308_04.9819.C10
Gene No.	71121	Strand	-
Start	1073	End	13393
Name	OJ990308_04.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	7056	End	8420
GI	none	Score	54
Exons	7056..7154, 7568..7660, 7806..7892, 8084..8158, 8106..8147, 8238..8420, 8239..8322, 8244..8396		

Seq. No.	34345	Seq. ID	OJ990308_04.9819.C10
Gene No.	71121	Strand	-
Start	1073	End	13393
Name	OJ990308_04.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	7556	End	10916
GI	none	Score	68
Exons	7556..7654, 7568..7729, 7581..7730, 7581..7733, 7804..7875, 7806..7874, 8039..8059, 8055..8147, 8057..8152, 8238..8420, 8239..8322, 8241..8408, 8383..8418, 8761..8826, 8831..8851, 9076..9132, 9077..9118, 9185..9340, 9195..9353, 9202..9339, 10736..10780, 10866..10916		

Seq. No.	34345	Seq. ID	OJ990308_04.9819.C10
Gene No.	71121	Strand	-
Start	1073	End	13393
Name	OJ990308_04.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	7622	End	8420
GI	none	Score	99
Exons	7622..7729, 7794..7892, 8034..8141, 8039..8143, 8039..8152, 8233..8322, 8238..8420, 8241..8405		

Seq. No.	34345	Seq. ID	OJ990308_04.9819.C10
Gene No.	71121	Strand	-
Start	1073	End	13393
Name	OJ990308_04.9819.C10.o2.tc	Method	TBLASTX:Cress
Start	10710	End	10976
GI	none	Score	67
Exons	10710..10778, 10712..10777, 10864..10965, 10866..10976		

Seq. No.	34345	Seq. ID	OJ990308_04.9819.C10
Gene No.	71121	Strand	-
Start	1073	End	13393
Name	OJ990308_04.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	10935	End	11333
GI	none	Score	66
Exons	10935..10970, 10936..10971, 11030..11125, 11031..11126, 11038..11127, 11039..11128, 11040..11132, 11201..11275, 11201..11275, 11205..11276, 11267..11332, 11268..11324, 11277..11333		

Seq. No.	34345	Seq. ID	OJ990308_04.9819.C10
Gene No.	71121	Strand	-
Start	1073	End	13393

Name	OJ990308_04.9819.C10.o2.ts	Method	TBLASTX:Soybean
Start	11071	End	11306
GI	none	Score	54
Exons	11071..11127, 11072..11128, 11184..11306, 11201..11305		

Seq. No.	34346	Seq. ID	OJ990308_04.9819.C11
Gene No.	71122	Strand	+
Start	351	End	475
Name	OJ990308_04.9819.C11.o1.gs	Method	GENSCAN
Start	351	End	475
GI	none	Score	.83
Exons	351..475		

Seq. No.	34346	Seq. ID	OJ990308_04.9819.C11
Gene No.	71123	Strand	-
Start	1	End	753
Name	OJ990308_04.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	753
GI	6729490	Score	246
Exons	1..106, 158..250, 342..466, 730..753		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		

Seq. No.	34346	Seq. ID	OJ990308_04.9819.C11
Gene No.	71123	Strand	-
Start	1	End	753
Name	OJ990308_04.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	140	End	467
GI	none	Score	104
Exons	140..250, 162..251, 339..467, 340..459		

Seq. No.	34346	Seq. ID	OJ990308_04.9819.C11
Gene No.	71123	Strand	-
Start	1	End	753
Name	OJ990308_04.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	140	End	458
GI	none	Score	107
Exons	140..250, 150..251, 151..258, 339..458, 340..450		

Seq. No.	34346	Seq. ID	OJ990308_04.9819.C11
Gene No.	71123	Strand	-
Start	1	End	753
Name	OJ990308_04.9819.C11.o1.gp	Method	AAT/GAP
Start	163	End	753
GI	17927.1.R1084	Score	344
Exons	163..252, 342..458, 710..753		
GI Descrip.	'4371285/gb AAD18143 2.0e-41 (AC006260) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	34347	Seq. ID	OJ990308_04.9819.C14
Gene No.	71124	Strand	+
Start	1	End	2877
Name	OJ990308_04.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	1160
GI	6729490	Score	626
Exons	1..150, 242..334, 753..1160		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		

Seq. No.	34347	Seq. ID	OJ990308_04.9819.C14
Gene No.	71124	Strand	+
Start	1	End	2877
Name	OJ990308_04.9819.C14.o1.gs	Method	GENSCAN
Start	103	End	2877
GI	none	Score	.82
Exons	103..222, 242..334, 753..1034, 2707..2877		
Seq. No.	34347	Seq. ID	OJ990308_04.9819.C14
Gene No.	71125	Strand	-
Start	55	End	329
Name	OJ990308_04.9819.C14.o1.gp	Method	AAT/GAP
Start	55	End	329
GI	17927_1.R1084	Score	317
Exons	55..150, 240..329		
GI Descrip.	'4371285/gb AAD18143 2.0e-41 (AC006260) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	34347	Seq. ID	OJ990308_04.9819.C14
Gene No.	71126	Strand	-
Start	921	End	1572
Name	OJ990308_04.9819.C14.o2.gp	Method	AAT/GAP
Start	921	End	1572
GI	45822_1.R1084	Score	1201
Exons	921..1572		
GI Descrip.	'4371285/gb AAD18143 1.0e-09 (AC006260) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	34347	Seq. ID	OJ990308_04.9819.C14
Gene No.	71127	Strand	-
Start	3425	End	5769
Name	OJ990308_04.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	55	End	1191
GI	none	Score	182
Exons	55..153, 56..151, 57..152, 241..303, 242..304, 307..330, 740..1093, 750..1076, 752..1093, 753..1175, 1076..1183, 1098..1184, 1098..1184, 1099..1191		
Seq. No.	34347	Seq. ID	OJ990308_04.9819.C14
Gene No.	71127	Strand	-
Start	3425	End	5769
Name	OJ990308_04.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	239	End	1043
GI	none	Score	129
Exons	239..352, 241..342, 740..868, 753..869, 876..1043, 878..1042		
Seq. No.	34347	Seq. ID	OJ990308_04.9819.C14
Gene No.	71127	Strand	-
Start	3425	End	5769
Name	OJ990308_04.9819.C14.o1.tc	Method	TBLASTX:Cress
Start	876	End	1043
GI	none	Score	224
Exons	876..1043, 878..1042		
Seq. No.	34347	Seq. ID	OJ990308_04.9819.C14
Gene No.	71127	Strand	-
Start	3425	End	5769

Name	OJ990308_04.9819.C14.o2.gs	Method	GENSCAN
Start	3425	End	5769
GI	none	Score	.88
Exons	3425..3566, 4503..5297, 5381..5769		

Seq. No.	34348	Seq. ID	OJ990308_07.9819.C2
Gene No.	71128	Strand	-
Start	1	End	2309
Name	OJ990308_07.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	2309
GI	2842424	Score	449
Exons	1..80, 163..363, 1102..1182, 1356..1436, 1542..1643, 1726..1947, 2030..2309		
GI Descrip.	(AJ223948) RNA helicase [Homo sapiens]		

Seq. No.	34348	Seq. ID	OJ990308_07.9819.C2
Gene No.	71128	Strand	-
Start	1	End	2309
Name	OJ990308_07.9819.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	310
GI	none	Score	44
Exons	1..57, 2..34, 16..84, 36..83, 37..84, 162..284, 163..309, 164..310		

Seq. No.	34348	Seq. ID	OJ990308_07.9819.C2
Gene No.	71128	Strand	-
Start	1	End	2309
Name	OJ990308_07.9819.C2.o1.gs	Method	GENSCAN
Start	1036	End	2271
GI	none	Score	.88
Exons	1036..1182, 1356..1436, 1542..1643, 1723..1947, 2030..2185, 2257..2271		

Seq. No.	34348	Seq. ID	OJ990308_07.9819.C2
Gene No.	71128	Strand	-
Start	1	End	2309
Name	OJ990308_07.9819.C2.o1.ts	Method	TBLASTX:Soybean
Start	1705	End	2203
GI	none	Score	106
Exons	1705..1956, 1781..1942, 1819..1950, 2021..2188, 2034..2093, 2038..2202, 2044..2199, 2144..2203		

Seq. No.	34349	Seq. ID	OJ990308_07.9819.C4
Gene No.	71129	Strand	-
Start	288	End	600
Name	OJ990308_07.9819.C4.o1.gs	Method	GENSCAN
Start	288	End	600
GI	none	Score	.6
Exons	288..338, 506..600		

Seq. No.	34350	Seq. ID	OJ990308_07.9819.C5
Gene No.	71130	Strand	-
Start	1	End	495
Name	OJ990308_07.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	495
GI	6939230	Score	100
Exons	1..86, 185..340, 369..495		

GI Descrip. (AC020579) putative mitochondrial carrier protein [Arabidopsis thaliana]

Seq. No.	34351	Seq. ID	OJ990308_07.9819.C6
Gene No.	71131	Strand	+
Start	51	End	494
Name	OJ990308_07.9819.C6.ol.gs	Method	GENSCAN
Start	51	End	494
GI	none	Score	.65
Exons	51..375, 428..494		

Seq. No.	34352	Seq. ID	OJ990308_07.9819.C7
Gene No.	71132	Strand	-
Start	207	End	314
Name	OJ990308_07.9819.C7.ol.gs	Method	GENSCAN
Start	207	End	314
GI	none	Score	.59
Exons	207..314		

Seq. No.	34353	Seq. ID	OJ990308_07.9819.C8
Gene No.	71133	Strand	+
Start	253	End	374
Name	OJ990308_07.9819.C8.ol.gs	Method	GENSCAN
Start	253	End	374
GI	none	Score	.97
Exons	253..374		

Seq. No.	34354	Seq. ID	OJ990308_07.9819.C9
Gene No.	71134	Strand	-
Start	134	End	1925
Name	OJ990308_07.9819.C9.ol.tm	Method	TBLASTX:Maize
Start	132	End	1138
GI	none	Score	155
Exons	132..263, 134..256, 341..505, 341..505, 343..507, 345..506, 345..566, 346..507, 593..754, 610..765, 612..755, 813..908, 831..914, 832..915, 979..1119, 993..1133, 997..1119, 1052..1138		

Seq. No.	34354	Seq. ID	OJ990308_07.9819.C9
Gene No.	71134	Strand	-
Start	134	End	1925
Name	OJ990308_07.9819.C9.ol.np	Method	AAT/NAP
Start	134	End	1925
GI	2258469	Score	1654
Exons	134..254, 344..504, 610..754, 835..913, 998..1122, 1218..1320, 1409..1676, 1791..1925		

GI Descrip. (AF009179) replication protein A1 [Oryza sativa]

Seq. No.	34354	Seq. ID	OJ990308_07.9819.C9
Gene No.	71134	Strand	-
Start	134	End	1925
Name	OJ990308_07.9819.C9.ol.gs	Method	GENSCAN
Start	134	End	1879
GI	none	Score	.96
Exons	134..254, 344..504, 610..754, 1218..1320, 1409..1676, 1791..1879		

Seq. No.	34354	Seq. ID	OJ990308_07.9819.C9
Gene No.	71134	Strand	-

Start	134	End	1925
Name	OJ990308_07.9819.C9.o1.gp	Method	AAT/GAP
Start	134	End	1925
GI	2258468	Score	2066
Exons	134..254, 344..504, 610..754, 835..913, 998..1122, 1218..1320, 1409..1676, 1791..1925		
GI Descrip.	2258469 0.0e+00 (AF009179) replication protein A1 [Oryza sativa]		

Seq. No.	34354	Seq. ID	OJ990308_07.9819.C9
Gene No.	71134	Strand	-
Start	134	End	1925
Name	OJ990308_07.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	1217	End	1595
GI	none	Score	148
Exons	1217..1327, 1218..1328, 1393..1563, 1408..1518, 1410..1568, 1410..1565, 1543..1593, 1566..1595		

Seq. No.	34354	Seq. ID	OJ990308_07.9819.C9
Gene No.	71134	Strand	-
Start	134	End	1925
Name	OJ990308_07.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	1410	End	1692
GI	none	Score	51
Exons	1410..1487, 1411..1491, 1488..1676, 1489..1692		

Seq. No.	34355	Seq. ID	OJ990308_07.9819.C10
Gene No.	71135	Strand	+
Start	914	End	1342
Name	OJ990308_07.9819.C10.o2.gp	Method	AAT/GAP
Start	914	End	1342
GI	37874_1.R1084	Score	780
Exons	914..1342		
GI Descrip.	'4455232/emb CAB36731.1 3.0e-37 (AL035523) putative protein [Arabidopsis thaliana]'		

Seq. No.	34355	Seq. ID	OJ990308_07.9819.C10
Gene No.	71136	Strand	-
Start	1	End	367
Name	OJ990308_07.9819.C10.o1.gp	Method	AAT/GAP
Start	1	End	367
GI	2258468	Score	405
Exons	1..30, 168..367		
GI Descrip.	2258469 0.0e+00 (AF009179) replication protein A1 [Oryza sativa]		

Seq. No.	34355	Seq. ID	OJ990308_07.9819.C10
Gene No.	71136	Strand	-
Start	1	End	367
Name	OJ990308_07.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	313
GI	2258469	Score	218
Exons	1..30, 168..313		
GI Descrip.	(AF009179) replication protein A1 [Oryza sativa]		

Seq. No.	34355	Seq. ID	OJ990308_07.9819.C10
Gene No.	71136	Strand	-
Start	1	End	367
Name	OJ990308_07.9819.C10.o1.gs	Method	GENSCAN

Start 168
GI none
Exons 168..313

End 313
Score .99

Seq. No. 34355
Gene No. 71137
Start 1034
Name OJ990308_07.9819.C10.o1.tw
Start 1023
GI none
Exons 1023..1208, 1040..1207

Seq. ID OJ990308_07.9819.C10
Strand -
End 1344
Method TBLASTX:Wheat
End 1208
Score 135

Seq. No. 34355
Gene No. 71137
Start 1034
Name OJ990308_07.9819.C10.o2.gs
Start 1034
GI none
Exons 1034..1339

Seq. ID OJ990308_07.9819.C10
Strand -
End 1344
Method GENSCAN
End 1339
Score .96

Seq. No. 34355
Gene No. 71137
Start 1034
Name OJ990308_07.9819.C10.o1.tm
Start 1035
GI none
Exons 1035..1223, 1040..1327, 1148..1231

Seq. ID OJ990308_07.9819.C10
Strand -
End 1344
Method TBLASTX:Maize
End 1327
Score 242

Seq. No. 34355
Gene No. 71137
Start 1034
Name OJ990308_07.9819.C10.o1.ts
Start 1035
GI none
Exons 1035..1208, 1040..1312

Seq. ID OJ990308_07.9819.C10
Strand -
End 1344
Method TBLASTX:Soybean
End 1312
Score 113

Seq. No. 34355
Gene No. 71137
Start 1034
Name OJ990308_07.9819.C10.o2.np
Start 1037
GI 6850930
Exons 1037..1344

Seq. ID OJ990308_07.9819.C10
Strand -
End 1344
Method AAT/NAP
End 1344
Score 311

GI Descrip. (AJ271664) hypothetical protein [Cicer arietinum]

Seq. No. 34356
Gene No. 71138
Start 1
Name OJ990308_07.9819.C11.o1.gp
Start 1
GI 31542_1.R1084
Exons 1..48, 91..219, 306..511, 943..968

Seq. ID OJ990308_07.9819.C11
Strand -
End 3062
Method AAT/GAP
End 968
Score 636

GI Descrip. '4455232/emb|CAB36731.1| 1.0e-69 (AL035523) putative protein [Arabidopsis thaliana]'

Seq. No. 34356
Gene No. 71138

Seq. ID OJ990308_07.9819.C11
Strand -

Start	1	End	3062
Name	OJ990308_07.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	3062
GI	4455232	Score	791
Exons	1..219, 306..511, 943..1075, 1484..1608, 1973..2065, 2234..2364, 2977..3062		
GI Descrip.	(AL035523) putative protein [Arabidopsis thaliana]		

Seq. No.	34356	Seq. ID	OJ990308_07.9819.C11
Gene No.	71138	Strand	-
Start	1	End	3062
Name	OJ990308_07.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	85	End	1239
GI	none	Score	60
Exons	85..147, 90..227, 93..221, 196..252, 306..500, 308..514, 308..502, 310..531, 460..531, 941..1075, 943..1077, 944..1075, 1198..1239		

Seq. No.	34356	Seq. ID	OJ990308_07.9819.C11
Gene No.	71138	Strand	-
Start	1	End	3062
Name	OJ990308_07.9819.C11.o1.ts	Method	TBLASTX:Soybean
Start	90	End	2733
GI	none	Score	46
Exons	90..239, 93..233, 306..500, 311..514, 311..502, 943..1083, 943..1080, 944..1084, 1187..1276, 1187..1270, 1192..1275, 1195..1296, 1474..1608, 1475..1609, 1964..2071, 1974..2072, 2234..2359, 2238..2348, 2454..2495, 2459..2497, 2639..2731, 2641..2733		

Seq. No.	34356	Seq. ID	OJ990308_07.9819.C11
Gene No.	71138	Strand	-
Start	1	End	3062
Name	OJ990308_07.9819.C11.o1.gs	Method	GENSCAN
Start	107	End	2730
GI	none	Score	.68
Exons	107..219, 306..511, 943..1043, 1479..1608, 1973..2065, 2459..2525, 2639..2730		

Seq. No.	34356	Seq. ID	OJ990308_07.9819.C11
Gene No.	71138	Strand	-
Start	1	End	3062
Name	OJ990308_07.9819.C11.o2.tm	Method	TBLASTX:Maize
Start	1240	End	2352
GI	none	Score	56
Exons	1240..1287, 1241..1276, 1477..1608, 1477..1608, 1478..1609, 1481..1609, 1482..1613, 1491..1613, 1964..2071, 1970..2062, 1974..2066, 2234..2350, 2235..2351, 2235..2351, 2242..2352		

Seq. No.	34356	Seq. ID	OJ990308_07.9819.C11
Gene No.	71138	Strand	-
Start	1	End	3062
Name	OJ990308_07.9819.C11.o2.gp	Method	AAT/GAP
Start	2332	End	3062
GI	35881_1.R1084	Score	346
Exons	2332..2357, 2461..2525, 2639..2730, 3018..3062		
GI Descrip.	'2258469 0.0e+00 (AF009179) replication protein A1 [Oryza		

sativa]'

Seq. No.	34357	Seq. ID	OJ990308_07.9819.C12
Gene No.	71139	Strand	-
Start	46	End	1141
Name	OJ990308_07.9819.C12.o1.gp	Method	AAT/GAP
Start	46	End	993
GI	none	Score	1631
Exons	46..574, 664..993		

Seq. No.	34357	Seq. ID	OJ990308_07.9819.C12
Gene No.	71139	Strand	-
Start	46	End	1141
Name	OJ990308_07.9819.C12.o1.gs	Method	GENSCAN
Start	450	End	1141
GI	none	Score	.6
Exons	450..574, 664..1141		

Seq. No.	34357	Seq. ID	OJ990308_07.9819.C12
Gene No.	71140	Strand	-
Start	1456	End	1843
Name	OJ990308_07.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	744	End	1248
GI	none	Score	77
Exons	744..818, 760..894, 835..903, 886..969, 890..991, 943..981, 958..984, 1041..1217, 1041..1214, 1046..1219, 1201..1248, 1207..1248		

Seq. No.	34357	Seq. ID	OJ990308_07.9819.C12
Gene No.	71140	Strand	-
Start	1456	End	1843
Name	OJ990308_07.9819.C12.o2.gp	Method	AAT/GAP
Start	1456	End	1843
GI	none	Score	752
Exons	1456..1843		

Seq. No.	34358	Seq. ID	OJ990308_07.9819.C13
Gene No.	71141	Strand	-
Start	259	End	1789
Name	OJ990308_07.9819.C13.o2.tm	Method	TBLASTX:Maize
Start	184	End	539
GI	none	Score	62
Exons	184..237, 185..235; 235..519, 237..539		

Seq. No.	34358	Seq. ID	OJ990308_07.9819.C13
Gene No.	71141	Strand	-
Start	259	End	1789
Name	OJ990308_07.9819.C13.o1.gs	Method	GENSCAN
Start	259	End	1591
GI	none	Score	.95
Exons	259..639, 1119..1240, 1334..1427, 1451..1591		

Seq. No.	34358	Seq. ID	OJ990308_07.9819.C13
Gene No.	71141	Strand	-
Start	259	End	1789
Name	OJ990308_07.9819.C13.o1.tm	Method	TBLASTX:Maize
Start	613	End	1731

GI	none	Score	85
Exons	613..684, 614..685, 636..689, 1122..1253, 1123..1254, 1160..1264, 1334..1426, 1334..1426, 1335..1427, 1336..1428, 1641..1727, 1642..1731, 1642..1731		

Seq. No.	34358	Seq. ID	OJ990308_07.9819.C13
Gene No.	71141	Strand	-
Start	259	End	1789
Name	OJ990308_07.9819.C13.o1.tc	Method	TBLASTX:Cress
Start	631	End	1486
GI	none	Score	67
Exons	631..684, 635..685, 1122..1238, 1123..1236, 1335..1475, 1338..1469, 1357..1476, 1361..1486		

Seq. No.	34358	Seq. ID	OJ990308_07.9819.C13
Gene No.	71141	Strand	-
Start	259	End	1789
Name	OJ990308_07.9819.C13.o1.np	Method	AAT/NAP
Start	1133	End	1789
GI	4240303	Score	71
Exons	1133..1240, 1334..1427, 1642..1789		
GI Descrip.	(AB020714) KIAA0907 protein [Homo sapiens]		

Seq. No.	34359	Seq. ID	OJ990308_07.9819.C14
Gene No.	71142	Strand	+
Start	246	End	356
Name	OJ990308_07.9819.C14.o1.gs	Method	GENSCAN
Start	246	End	356
GI	none	Score	.56
Exons	246..356		

Seq. No.	34360	Seq. ID	OJ990308_07.9819.C15
Gene No.	71143	Strand	-
Start	170	End	257
Name	OJ990308_07.9819.C15.o1.gp	Method	AAT/GAP
Start	170	End	257
GI	572327	Score	139
Exons	170..257		
GI Descrip.	3820531/gb AAC69619.1 2.0e-46 (AF072736) beta-glucosidase [Pinus contorta]		

Seq. No.	34361	Seq. ID	OJ990308_07.9819.C16
Gene No.	71144	Strand	+
Start	1087	End	6705
Name	OJ990308_07.9819.C16.o2.gp	Method	AAT/GAP
Start	1087	End	1754
GI	none	Score	818
Exons	1087..1166, 1281..1417, 1495..1754		

Seq. No.	34361	Seq. ID	OJ990308_07.9819.C16
Gene No.	71144	Strand	+
Start	1087	End	6705
Name	OJ990308_07.9819.C16.o1.gs	Method	GENSCAN
Start	1132	End	6367
GI	none	Score	.6
Exons	1132..1166, 1326..1417, 1495..1784, 1865..2009, 2117..2406, 3533..3726, 3947..3977, 4954..5233, 6062..6159, 6268..6367		

Seq. No.	34361	Seq. ID	OJ990308_07.9819.C16
Gene No.	71144	Strand	+
Start	1087	End	6705
Name	OJ990308_07.9819.C16.o3.gp	Method	AAT/GAP
Start	3547	End	5249
GI	uC-osflcyp162f05b1	Score	1028
Exons	3547..3732, 4865..5249		
GI Descrip.	'5731763/emb CAB52582.1 2.0e-09 (X92419) SNAP25A protein [Arabidopsis thaliana] >gi_5731764_emb_CAB52583.1_ (X92420) SNAP25AB protein [Arabidopsis thaliana]'		

Seq. No.	34361	Seq. ID	OJ990308_07.9819.C16
Gene No.	71144	Strand	+
Start	1087	End	6705
Name	OJ990308_07.9819.C16.o2.np	Method	AAT/NAP
Start	5033	End	6364
GI	5731763	Score	470
Exons	5033..5233, 5692..5783, 5859..5985, 6062..6159, 6268..6364		
GI Descrip.	(X92419) SNAP25A protein [Arabidopsis thaliana] gi 5731764 emb CAB52583.1 (X92420) SNAP25AB protein [Arabidopsis thaliana]		

Seq. No.	34361	Seq. ID	OJ990308_07.9819.C16
Gene No.	71144	Strand	+
Start	1087	End	6705
Name	OJ990308_07.9819.C16.o4.gp	Method	AAT/GAP
Start	6087	End	6705
GI	28418_1.R1084	Score	982
Exons	6087..6159, 6268..6705		
GI Descrip.	'3820531/gb AAC69619.1 2.0e-46 (AF072736) beta-glucosidase [Pinus contorta]'		

Seq. No.	34361	Seq. ID	OJ990308_07.9819.C16
Gene No.	71145	Strand	-
Start	67	End	266
Name	OJ990308_07.9819.C16.o1.gp	Method	AAT/GAP
Start	67	End	266
GI	9270_1.R1084	Score	377
Exons	67..266		
GI Descrip.	'3150410 9.0e-19 (AC004165) unknown protein [Arabidopsis thaliana]'		

Seq. No.	34361	Seq. ID	OJ990308_07.9819.C16
Gene No.	71146	Strand	-
Start	6747	End	7238
Name	OJ990308_07.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	4916	End	6367
GI	none	Score	50
Exons	4916..5005, 5039..5230, 5039..5071, 5098..5229, 5694..5771, 5725..5775, 5851..5922, 6062..6160, 6073..6165, 6266..6367		

Seq. No.	34361	Seq. ID	OJ990308_07.9819.C16
Gene No.	71146	Strand	-
Start	6747	End	7238
Name	OJ990308_07.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	4952	End	6367

GI	none	Score	63
Exons	4952..5005, 5036..5230, 5041..5232, 5691..5771, 5725..5784, 5850..5912, 6041..6166, 6062..6160, 6266..6367, 6266..6349		

Seq. No.	34361	Seq. ID	OJ990308_07.9819.C16
Gene No.	71146	Strand	-
Start	6747	End	7238
Name	OJ990308_07.9819.C16.o2.gs	Method	GENSCAN
Start	6747	End	7238
GI	none	Score	.77
Exons	6747..7238		

Seq. No.	34362	Seq. ID	OJ990308_07.9819.C17
Gene No.	71147	Strand	+
Start	36	End	292
Name	OJ990308_07.9819.C17.o1.gs	Method	GENSCAN
Start	36	End	292
GI	none	Score	.45
Exons	36..117, 137..292		

Seq. No.	34363	Seq. ID	OJ990308_07.9819.C18
Gene No.	71148	Strand	-
Start	352	End	755
Name	OJ990308_07.9819.C18.o1.gp	Method	AAT/GAP
Start	345	End	755
GI	17774 1.R1084	Score	783
Exons	345..755		
GI Descrip.	'3337356 1.0e-159 (AC004481) putative protein transport protein SEC61 alpha subunit [Arabidopsis thaliana]'		

Seq. No.	34363	Seq. ID	OJ990308_07.9819.C18
Gene No.	71148	Strand	-
Start	352	End	755
Name	OJ990308_07.9819.C18.o1.gs	Method	GENSCAN
Start	352	End	553
GI	none	Score	.67
Exons	352..412, 465..553		

Seq. No.	34364	Seq. ID	OJ990308_07.9819.C19
Gene No.	71149	Strand	+
Start	105	End	1249
Name	OJ990308_07.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	97	End	440
GI	none	Score	57
Exons	97..147, 102..152, 103..147, 277..429, 282..440, 284..430		

Seq. No.	34364	Seq. ID	OJ990308_07.9819.C19
Gene No.	71149	Strand	+
Start	105	End	1249
Name	OJ990308_07.9819.C19.o1.gs	Method	GENSCAN
Start	105	End	1249
GI	none	Score	.91
Exons	105..146, 264..432, 801..853, 1031..1249		

Seq. No.	34364	Seq. ID	OJ990308_07.9819.C19
Gene No.	71149	Strand	+
Start	105	End	1249

Name	OJ990308_07.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	797	End	1195
GI	none	Score	64
Exons	797..859, 800..859, 950..1018, 953..1024, 1029..1193, 1029..1193, 1031..1195		

Seq. No.	34365	Seq. ID	OJ990308_07.9819.C20
Gene No.	71150	Strand	+
Start	3098	End	4577
Name	OJ990308_07.9819.C20.o1.np	Method	AAT/NAP
Start	3098	End	4577
GI	595768	Score	108
Exons	3098..3146, 4417..4577		
GI Descrip.	(U13866) non-functional lacZ alpha peptide [Cloning vector]		

Seq. No.	34366	Seq. ID	OJ990308_07.9819.C21
Gene No.	71151	Strand	-
Start	78	End	1820
Name	OJ990308_07.9819.C21.o1.np	Method	AAT/NAP
Start	78	End	1820
GI	2429362	Score	67
Exons	78..432, 604..660, 1799..1820		
GI Descrip.	(AF020261) proline rich protein [Santalum album]		

Seq. No.	34367	Seq. ID	OJ990308_07.9819.C22
Gene No.	71152	Strand	+
Start	312	End	6695
Name	OJ990308_07.9819.C22.o1.gs	Method	GENSCAN
Start	312	End	6695
GI	none	Score	.5
Exons	312..1485, 1583..2496, 2616..2731, 3582..5252, 5403..5451, 5536..5774, 5888..6007, 6467..6695		

Seq. No.	34367	Seq. ID	OJ990308_07.9819.C22
Gene No.	71152	Strand	+
Start	312	End	6695
Name	OJ990308_07.9819.C22.o1.gp	Method	AAT/GAP
Start	4372	End	4826
GI	none	Score	842
Exons	4372..4826		

Seq. No.	34367	Seq. ID	OJ990308_07.9819.C22
Gene No.	71152	Strand	+
Start	312	End	6695
Name	OJ990308_07.9819.C22.o2.gp	Method	AAT/GAP
Start	5160	End	6011
GI	none	Score	889
Exons	5160..5252, 5403..5451, 5536..5774, 5906..6011		

Seq. No.	34367	Seq. ID	OJ990308_07.9819.C22
Gene No.	71153	Strand	-
Start	10736	End	13553
Name	OJ990308_07.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	4001	End	4308
GI	none	Score	279
Exons	4001..4291, 4005..4295, 4005..4307, 4006..4308		

Seq. No.	34367	Seq. ID	OJ990308_07.9819.C22
Gene No.	71153	Strand	-
Start	10736	End	13553
Name	OJ990308_07.9819.C22.o3.tm	Method	TBLASTX:Maize
Start	4593	End	5052
GI	none	Score	210
Exons	4593..4775, 4594..4776, 4862..5029, 4882..5040, 4900..5052		

Seq. No.	34367	Seq. ID	OJ990308_07.9819.C22
Gene No.	71153	Strand	-
Start	10736	End	13553
Name	OJ990308_07.9819.C22.o6.tm	Method	TBLASTX:Maize
Start	5392	End	5782
GI	none	Score	84
Exons	5392..5451, 5392..5451, 5400..5456, 5538..5741, 5540..5629, 5568..5738, 5569..5739, 5632..5748, 5723..5776, 5723..5782		

Seq. No.	34367	Seq. ID	OJ990308_07.9819.C22
Gene No.	71153	Strand	-
Start	10736	End	13553
Name	OJ990308_07.9819.C22.o2.tm	Method	TBLASTX:Maize
Start	5903	End	6939
GI	none	Score	135
Exons	5903..6040, 5908..6006, 6459..6704, 6464..6703, 6469..6705, 6731..6769, 6733..6759, 6735..6776, 6836..6937, 6838..6939		

Seq. No.	34367	Seq. ID	OJ990308_07.9819.C22
Gene No.	71153	Strand	-
Start	10736	End	13553
Name	OJ990308_07.9819.C22.o4.tm	Method	TBLASTX:Maize
Start	7028	End	7363
GI	none	Score	48
Exons	7028..7072, 7030..7101, 7031..7066, 7075..7119, 7115..7198, 7125..7196, 7141..7212, 7194..7265, 7200..7268, 7208..7279, 7244..7273, 7262..7363, 7263..7358, 7318..7362		

Seq. No.	34367	Seq. ID	OJ990308_07.9819.C22
Gene No.	71153	Strand	-
Start	10736	End	13553
Name	OJ990308_07.9819.C22.o3.gp	Method	AAT/GAP
Start	10495	End	10852
GI	none	Score	671
Exons	10495..10852		

Seq. No.	34367	Seq. ID	OJ990308_07.9819.C22
Gene No.	71153	Strand	-
Start	10736	End	13553
Name	OJ990308_07.9819.C22.o2.gs	Method	GENSCAN
Start	10736	End	12842
GI	none	Score	.8
Exons	10736..10797, 10847..10922, 11652..11783, 12319..12468, 12684..12842		

Seq. No.	34367	Seq. ID	OJ990308_07.9819.C22
Gene No.	71153	Strand	-
Start	10736	End	13553
Name	OJ990308_07.9819.C22.o7.tm	Method	TBLASTX:Maize

Start	10845	End	11809
GI	none	Score	92
Exons	10845..10925, 10846..10923, 11643..11783, 11644..11784, 11652..11807, 11662..11790, 11666..11809		

Seq. No.	34367	Seq. ID	OJ990308_07.9819.C22
Gene No.	71153	Strand	-
Start	10736	End	13553
Name	OJ990308_07.9819.C22.o5.tm	Method	TBLASTX:Maize
Start	12321	End	13553
GI	none	Score	107
Exons	12321..12413, 12322..12423, 12323..12406, 12391..12477, 12412..12471, 13353..13517, 13368..13520, 13378..13521, 13523..13546, 13524..13553		

Seq. No.	34368	Seq. ID	OJ990308_07.9819.C23
Gene No.	71154	Strand	-
Start	1	End	5404
Name	OJ990308_07.9819.C23.o1.np	Method	AAT/NAP
Start	1	End	5404
GI	2842424	Score	1598
Exons	1..111, 221..386, 479..546, 918..1061, 1153..1308, 1383..1448, 1601..1792, 1874..2023, 2839..2929, 3513..3601, 3793..3855, 3970..4095, 4174..4263, 4331..4453, 4775..4891, 4976..5181, 5312..5404		

GI Descrip. (AJ223948) RNA helicase [Homo sapiens]

Seq. No.	34368	Seq. ID	OJ990308_07.9819.C23
Gene No.	71154	Strand	-
Start	1	End	5404
Name	OJ990308_07.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	67	End	3606
GI	none	Score	41
Exons	67..129, 67..108, 69..107, 218..409, 219..398, 229..399, 231..410, 478..546, 479..547, 910..1062, 915..1070, 917..1087, 1154..1309, 1174..1308, 1367..1450, 1368..1451, 1577..1801, 1599..1793, 1857..2024, 1865..2026, 1874..2026, 2839..2928, 2840..2929, 3513..3602, 3513..3602, 3514..3606		

Seq. No.	34368	Seq. ID	OJ990308_07.9819.C23
Gene No.	71154	Strand	-
Start	1	End	5404
Name	OJ990308_07.9819.C23.o1.gs	Method	GENSCAN
Start	221	End	5176
GI	none	Score	.89
Exons	221..386, 479..546, 918..1061, 1153..1308, 1383..1448, 1601..1792, 1874..2023, 2839..2929, 3513..3601, 3970..4095, 4174..4263, 4331..4453, 4775..4891, 4976..5176		

Seq. No.	34368	Seq. ID	OJ990308_07.9819.C23
Gene No.	71154	Strand	-
Start	1	End	5404
Name	OJ990308_07.9819.C23.o1.tw	Method	TBLASTX:Wheat
Start	227	End	1216
GI	none	Score	187
Exons	227..406, 227..409, 228..410, 476..547, 478..546, 910..1062, 915..1070, 917..1096, 1145..1216, 1154..1216		

Seq. No.	34368	Seq. ID	OJ990308_07.9819.C23
Gene No.	71154	Strand	-
Start	1	End	5404
Name	OJ990308_07.9819.C23.o1.tc	Method	TBLASTX:Cress
Start	999	End	2926
GI	none	Score	72
Exons	999..1070, 1004..1123, 1006..1062, 1145..1312, 1174..1308, 1368..1451, 1372..1449, 1577..1801, 1596..1793, 1598..1795, 1857..2024, 1865..2026, 1866..2027, 1874..2026, 2839..2922, 2849..2926		

Seq. No.	34368	Seq. ID	OJ990308_07.9819.C23
Gene No.	71154	Strand	-
Start	1	End	5404
Name	OJ990308_07.9819.C23.o2.ts	Method	TBLASTX:Soybean
Start	1184	End	1454
GI	none	Score	152
Exons	1184..1309, 1186..1308, 1368..1454, 1369..1431		

Seq. No.	34368	Seq. ID	OJ990308_07.9819.C23
Gene No.	71154	Strand	-
Start	1	End	5404
Name	OJ990308_07.9819.C23.o1.ts	Method	TBLASTX:Soybean
Start	2837	End	4227
GI	none	Score	106
Exons	2837..2923, 2839..2928, 2849..2929, 3515..3604, 3516..3602, 3529..3609, 3767..3859, 3790..3855, 3964..4095, 3967..4095, 3968..4096, 4168..4227, 4172..4225, 4174..4227		

Seq. No.	34368	Seq. ID	OJ990308_07.9819.C23
Gene No.	71154	Strand	-
Start	1	End	5404
Name	OJ990308_07.9819.C23.o2.tm	Method	TBLASTX:Maize
Start	3790	End	5123
GI	none	Score	110
Exons	3790..3855, 3791..3859, 3967..4071, 3968..4072, 4073..4096, 4168..4266, 4172..4264, 4328..4492, 4331..4456, 4774..4896, 4779..4895, 4964..5122, 4977..5123, 4977..5123		

Seq. No.	34368	Seq. ID	OJ990308_07.9819.C23
Gene No.	71154	Strand	-
Start	1	End	5404
Name	OJ990308_07.9819.C23.o3.ts	Method	TBLASTX:Soybean
Start	4228	End	5101
GI	none	Score	134
Exons	4228..4266, 4312..4443, 4326..4451, 4328..4456, 4328..4456, 4770..4877, 4772..4879, 4775..4894, 4967..5101, 4976..5089, 4980..5099		

Seq. No.	34369	Seq. ID	OJ990308_07.9819.C24
Gene No.	71155	Strand	-
Start	167	End	1520
Name	OJ990308_07.9819.C24.o1.np	Method	AAT/NAP
Start	167	End	1520
GI	2673917	Score	366
Exons	167..358, 984..1106, 1201..1266, 1457..1520		

GI Descrip. (AC002561) putative ATP-dependent RNA helicase [Arabidopsis thaliana]

Seq. No.	34369	Seq. ID	OJ990308_07.9819.C24
Gene No.	71155	Strand	-
Start	167	End	1520
Name	OJ990308_07.9819.C24.o1.gs	Method	GENSCAN
Start	852	End	1312
GI	none	Score	.59
Exons	852..1106, 1201..1312		

Seq. No.	34370	Seq. ID	OJ990308_07.9819.C25
Gene No.	71156	Strand	-
Start	1	End	477
Name	OJ990308_07.9819.C25.o1.np	Method	AAT/NAP
Start	1	End	477
GI	3080535	Score	104
Exons	1..147, 213..349, 423..477		
GI Descrip.	(AL022600) DEAD box helicase [Schizosaccharomyces pombe]		

Seq. No.	34370	Seq. ID	OJ990308_07.9819.C25
Gene No.	71156	Strand	-
Start	1	End	477
Name	OJ990308_07.9819.C25.o1.gs	Method	GENSCAN
Start	217	End	345
GI	none	Score	.59
Exons	217..345		

Seq. No.	34371	Seq. ID	OJ990308_07.9819.C26
Gene No.	71157	Strand	-
Start	1	End	921
Name	OJ990308_07.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	921
GI	3881104	Score	324
Exons	1..300, 367..483, 590..661, 797..921		
GI Descrip.	(AL032646) similar to Helicases conserved C-terminal domain; cDNA EST EMBL:D36737 comes from this gene; cDNA EST yk430a5.5 comes from this gene; cDNA EST yk432a9.5 comes from this gene; cDNA EST yk275d4.5 comes from this gene...		

Seq. No.	34371	Seq. ID	OJ990308_07.9819.C26
Gene No.	71157	Strand	-
Start	1	End	921
Name	OJ990308_07.9819.C26.o1.gs	Method	GENSCAN
Start	139	End	661
GI	none	Score	.93
Exons	139..300, 367..483, 590..661		

Seq. No.	34372	Seq. ID	OJ990308_07.9819.C27
Gene No.	71158	Strand	+
Start	1	End	1188
Name	OJ990308_07.9819.C27.o1.np	Method	AAT/NAP
Start	1	End	1188
GI	3255965	Score	96
Exons	1..21, 466..590, 726..901, 1132..1188		
GI Descrip.	(Z70200) U5 snRNP-specific 200kD protein [Homo sapiens]		

Seq. No.	34372	Seq. ID	OJ990308_07.9819.C27
Gene No.	71158	Strand	+
Start	1	End	1188
Name	OJ990308_07.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	463	End	861
GI	none	Score	146
Exons	463..561, 465..560, 711..860, 712..861		

Seq. No.	34372	Seq. ID	OJ990308_07.9819.C27
Gene No.	71158	Strand	+
Start	1	End	1188
Name	OJ990308_07.9819.C27.o1.ts	Method	TBLASTX:Soybean
Start	463	End	862
GI	none	Score	96
Exons	463..600, 711..860, 712..861, 718..861, 719..862		

Seq. No.	34372	Seq. ID	OJ990308_07.9819.C27
Gene No.	71158	Strand	+
Start	1	End	1188
Name	OJ990308_07.9819.C27.o1.gs	Method	GENSCAN
Start	466	End	561
GI	none	Score	94
Exons	466..561		

Seq. No.	34373	Seq. ID	OJ990308_07.9819.C28
Gene No.	71159	Strand	-
Start	1	End	781
Name	OJ990308_07.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	781
GI	3080535	Score	169
Exons	1..265, 752..781		
GI Descrip.	(AL022600) DEAD box helicase [Schizosaccharomyces pombe]		

Seq. No.	34373	Seq. ID	OJ990308_07.9819.C28
Gene No.	71159	Strand	-
Start	1	End	781
Name	OJ990308_07.9819.C28.o1.tc	Method	TBLASTX:Cress
Start	90	End	260
GI	none	Score	197
Exons	90..257, 98..259, 99..260, 107..259		

Seq. No.	34373	Seq. ID	OJ990308_07.9819.C28
Gene No.	71159	Strand	-
Start	1	End	781
Name	OJ990308_07.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	90	End	259
GI	none	Score	213
Exons	90..257, 98..259, 107..259		

Seq. No.	34374	Seq. ID	OJ990308_07.9819.C30
Gene No.	71160	Strand	+
Start	215	End	2634
Name	OJ990308_07.9819.C30.o1.tm	Method	TBLASTX:Maize
Start	186	End	2235
GI	none	Score	587
Exons	186..566, 208..567, 209..565, 762..989, 763..990, 763..990, 1069..1428, 1070..1426, 1500..1568, 1501..1575, 1505..1630,		

1506..1631, 1507..1632, 1756..1896, 1757..1894, 1758..1904,
1764..1940, 1988..2230, 1990..2235, 1990..2232

Seq. No.	34374	Seq. ID	OJ990308_07.9819.C30
Gene No.	71160	Strand	+
Start	215	End	2634
Name	OJ990308_07.9819.C30.o2.tc	Method	TBLASTX:Cress
Start	205	End	937
GI	none	Score	569
Exons	205..567, 209..565, 762..929, 763..933, 764..937		

Seq. No.	34374	Seq. ID	OJ990308_07.9819.C30
Gene No.	71160	Strand	+
Start	215	End	2634
Name	OJ990308_07.9819.C30.o1.ts	Method	TBLASTX:Soybean
Start	207	End	2230
GI	none	Score	563
Exons	207..560, 218..565, 218..562, 220..567, 763..990, 764..988, 771..989, 772..990, 1047..1088, 1067..1423, 1068..1241, 1069..1425, 1070..1426, 1505..1582, 1519..1581, 1579..1632, 1580..1630, 1756..1896, 1757..1894, 1760..1921, 1818..1940, 1988..2230, 1988..2221, 1990..2223		

Seq. No.	34374	Seq. ID	OJ990308_07.9819.C30
Gene No.	71160	Strand	+
Start	215	End	2634
Name	OJ990308_07.9819.C30.o1.gp	Method	AAT/GAP
Start	215	End	590
GI	33402_2.R1084	Score	663
Exons	215..590		
GI Descrip.	'3337356 5.0e-62 (AC004481) putative protein transport protein SEC61 alpha subunit [Arabidopsis thaliana]'		

Seq. No.	34374	Seq. ID	OJ990308_07.9819.C30
Gene No.	71160	Strand	+
Start	215	End	2634
Name	OJ990308_07.9819.C30.o1.gs	Method	GENSCAN
Start	221	End	2230
GI	none	Score	.75
Exons	221..564, 763..990, 1069..1423, 1841..1894, 1991..2230		

Seq. No.	34374	Seq. ID	OJ990308_07.9819.C30
Gene No.	71160	Strand	+
Start	215	End	2634
Name	OJ990308_07.9819.C30.o1.np	Method	AAT/NAP
Start	221	End	2227
GI	6581004	Score	2122
Exons	221..564, 763..990, 1069..1423, 1508..1632, 1759..1894, 1991..2227		
GI Descrip.	(AF190652) putative integral membrane protein [Phaseolus vulgaris]		

Seq. No.	34374	Seq. ID	OJ990308_07.9819.C30
Gene No.	71160	Strand	+
Start	215	End	2634
Name	OJ990308_07.9819.C30.o2.gp	Method	AAT/GAP
Start	929	End	2634

GI 17774 1.R1084 Score 2432
 Exons 929..990, 1069..1423, 1508..1632, 1759..1894, 1991..2634
 GI Descrip. '3337356 1.0e-159 (AC004481) putative protein transport protein SEC61 alpha subunit [Arabidopsis thaliana]'

Seq. No. 34374 Seq. ID OJ990308_07.9819.C30
 Gene No. 71160 Strand +
 Start 215 End 2634
 Name OJ990308_07.9819.C30.o1.tc Method TBLASTX:Cress
 Start 938 End 2235
 GI none Score 82
 Exons 938..988, 940..990, 1067..1414, 1068..1241, 1069..1419, 1069..1419, 1070..1426, 1501..1575, 1505..1630, 1505..1627, 1507..1632, 1756..1941, 1757..1894, 1986..2096, 1988..2125, 1988..2098, 1990..2121, 2104..2136, 2128..2235

Seq. No. 34374 Seq. ID OJ990308_07.9819.C30
 Gene No. 71160 Strand +
 Start 215 End 2634
 Name OJ990308_07.9819.C30.o1.tw Method TBLASTX:Wheat
 Start 1575 End 2122
 GI none Score 94
 Exons 1575..1631, 1576..1632, 1577..1630, 1580..1639, 1756..1896, 1757..1894, 1764..1940, 1764..1904, 1988..2122, 1989..2120, 1990..2121

Seq. No. 34375 Seq. ID OJ990308_07.9819.C31
 Gene No. 71161 Strand +
 Start 3316 End 6812
 Name OJ990308_07.9819.C31.o2.gs Method GENSCAN
 Start 3316 End 6812
 GI none Score .6
 Exons 3316..3391, 4507..4761, 5122..6812

Seq. No. 34375 Seq. ID OJ990308_07.9819.C31
 Gene No. 71161 Strand +
 Start 3316 End 6812
 Name OJ990308_07.9819.C31.o1.np Method AAT/NAP
 Start 5410 End 6776
 GI 4335715 Score 581
 Exons 5410..6776
 GI Descrip. (AC006248) putative glucosyltransferase [Arabidopsis thaliana]

Seq. No. 34375 Seq. ID OJ990308_07.9819.C31
 Gene No. 71162 Strand -
 Start 393 End 1358
 Name OJ990308_07.9819.C31.o1.gp Method AAT/GAP
 Start 393 End 1358
 GI 36315 1.R1084 Score 832
 Exons 393..545, 1056..1358
 GI Descrip. '2832608/emb|CAA16622.1| 5.0e-09 (AL021637) leucine rich repeat-like protein (fragment) [Arabidopsis thaliana]'

Seq. No. 34375 Seq. ID OJ990308_07.9819.C31
 Gene No. 71162 Strand -
 Start 393 End 1358
 Name OJ990308_07.9819.C31.o2.ts Method TBLASTX:Soybean

Start 394
GI none
Exons 394..558, 397..546, 407..565

End 565
Score 82

Seq. No. 34375
Gene No. 71162
Start 393
Name OJ990308_07.9819.C31.o1.tc
Start 397
GI none
Exons 397..546, 405..545, 407..550

Seq. ID OJ990308_07.9819.C31
Strand -
End 1358
Method TBLASTX:Cress
End 550
Score 91

Seq. No. 34375
Gene No. 71162
Start 393
Name OJ990308_07.9819.C31.o1.tm
Start 397
GI none
Exons 397..546, 407..550

Seq. ID OJ990308_07.9819.C31
Strand -
End 1358
Method TBLASTX:Maize
End 550
Score 225

Seq. No. 34375
Gene No. 71162
Start 393
Name OJ990308_07.9819.C31.o1.gs
Start 1056
GI none
Exons 1056..1167

Seq. ID OJ990308_07.9819.C31
Strand -
End 1358
Method GENSCAN
End 1167
Score .94

Seq. No. 34375
Gene No. 71163
Start 5359
Name OJ990308_07.9819.C31.o1.ts
Start 5359
GI none
Exons 5359..5460, 5544..5903, 5937..6035, 6129..6329, 6183..6302, 6348..6521, 6353..6517

Seq. ID OJ990308_07.9819.C31
Strand -
End 6521
Method TBLASTX:Soybean
End 6521
Score 89

Seq. No. 34375
Gene No. 71163
Start 5359
Name OJ990308_07.9819.C31.o2.tm
Start 5973
GI none
Exons 5973..6020, 6153..6176, 6174..6290, 6174..6290, 6342..6518, 6359..6508

Seq. ID OJ990308_07.9819.C31
Strand -
End 6521
Method TBLASTX:Maize
End 6518
Score 45

Seq. No. 34375
Gene No. 71163
Start 5359
Name OJ990308_07.9819.C31.o2.tc
Start 6114
GI none
Exons 6114..6290, 6357..6518, 6359..6508

Seq. ID OJ990308_07.9819.C31
Strand -
End 6521
Method TBLASTX:Cress
End 6518
Score 116

Seq. No. 34375
Gene No. 71163
Start 5359

Seq. ID OJ990308_07.9819.C31
Strand -
End 6521

Name	OJ990308_07.9819.C31.o1.tw	Method	TBLASTX:Wheat
Start	6159	End	6518
GI	none	Score	117
Exons	6159..6290, 6182..6289, 6348..6425, 6366..6518, 6377..6505		

Seq. No.	34376	Seq. ID	OJ990308_07.9819.C32
Gene No.	71164	Strand	+
Start	113	End	539
Name	OJ990308_07.9819.C32.o1.gs	Method	GENSCAN
Start	113	End	539
GI	none	Score	.47
Exons	113..539		

Seq. No.	34376	Seq. ID	OJ990308_07.9819.C32
Gene No.	71165	Strand	+
Start	999	End	4364
Name	OJ990308_07.9819.C32.o2.tw	Method	TBLASTX:Wheat
Start	975	End	2618
GI	none	Score	172
Exons	975..1100, 995..1099, 1934..2008, 1935..1994, 1939..2007, 2392..2436, 2393..2434, 2396..2443, 2543..2614, 2568..2618, 2568..2618		

Seq. No.	34376	Seq. ID	OJ990308_07.9819.C32
Gene No.	71165	Strand	+
Start	999	End	4364
Name	OJ990308_07.9819.C32.o1.ts	Method	TBLASTX:Soybean
Start	996	End	4257
GI	none	Score	125
Exons	996..1097, 998..1108, 1851..1877, 1934..2008, 2396..2443, 2568..2675, 2571..2672, 3274..3363, 3284..3379, 3707..3793, 3974..4072, 3975..4079, 4149..4244, 4149..4256, 4150..4257		

Seq. No.	34376	Seq. ID	OJ990308_07.9819.C32
Gene No.	71165	Strand	+
Start	999	End	4364
Name	OJ990308_07.9819.C32.o1.np	Method	AAT/NAP
Start	999	End	4278
GI	6562305	Score	585
Exons	999..1097, 1940..2009, 2394..2440, 2568..2676, 2856..2941, 3269..3359, 3705..3790, 3978..4064, 4150..4278		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	34376	Seq. ID	OJ990308_07.9819.C32
Gene No.	71165	Strand	+
Start	999	End	4364
Name	OJ990308_07.9819.C32.o2.gs	Method	GENSCAN
Start	999	End	4263
GI	none	Score	.85
Exons	999..1097, 1940..2009, 2394..2440, 2568..2676, 2856..2941, 3269..3359, 3705..3862, 4150..4263		

Seq. No.	34376	Seq. ID	OJ990308_07.9819.C32
Gene No.	71165	Strand	+
Start	999	End	4364
Name	OJ990308_07.9819.C32.o1.gp	Method	AAT/GAP
Start	1935	End	2130

GI LIB3433-009-Q6-K1-A4 Score 98
 Exons 1935..2009, 2090..2130
 GI Descrip. '3150410 3.0e-10 (AC004165) unknown protein [Arabidopsis thaliana]'

Seq. No. 34376 Seq. ID OJ990308_07.9819.C32
 Gene No. 71165 Strand +
 Start 999 End 4364
 Name OJ990308_07.9819.C32.o3.gp Method AAT/GAP
 Start 2577 End 4364
 GI 9270_1.R1084 Score 1144
 Exons 2577..2676, 2856..2941, 3269..3359, 3705..3790, 3978..4064, 4150..4364
 GI Descrip. '3150410 9.0e-19 (AC004165) unknown protein [Arabidopsis thaliana]'

Seq. No. 34376 Seq. ID OJ990308_07.9819.C32
 Gene No. 71165 Strand +
 Start 999 End 4364
 Name OJ990308_07.9819.C32.o1.tw Method TBLASTX:Wheat
 Start 3298 End 4271
 GI none Score 105
 Exons 3298..3360, 3299..3370, 3300..3362, 3701..3793, 3703..3792, 3706..3795, 3954..4067, 3975..4073, 3976..4071, 3977..4072, 4147..4257, 4147..4266, 4149..4271, 4149..4268

Seq. No. 34376 Seq. ID OJ990308_07.9819.C32
 Gene No. 71165 Strand +
 Start 999 End 4364
 Name OJ990308_07.9819.C32.o1.tm Method TBLASTX:Maize
 Start 4007 End 4252
 GI none Score 95
 Exons 4007..4072, 4008..4073, 4147..4251, 4148..4252, 4149..4247

Seq. No. 34377 Seq. ID OJ990308_07.9819.C33
 Gene No. 71166 Strand -
 Start 220 End 953
 Name OJ990308_07.9819.C33.o1.gs Method GENSCAN
 Start 220 End 619
 GI none Score .55
 Exons 220..295, 373..407, 521..619

Seq. No. 34377 Seq. ID OJ990308_07.9819.C33
 Gene No. 71166 Strand -
 Start 220 End 953
 Name OJ990308_07.9819.C33.o1.tm Method TBLASTX:Maize
 Start 244 End 953
 GI none Score 60
 Exons 244..309, 252..299, 312..410, 315..410, 491..622, 522..629, 528..629, 706..810, 721..810, 722..826, 723..860, 824..886, 830..952, 831..953

Seq. No. 34378 Seq. ID OJ990308_07.9819.C34
 Gene No. 71167 Strand +
 Start 1690 End 5764
 Name OJ990308_07.9819.C34.o1.gs Method GENSCAN
 Start 1690 End 5501

GI	none	Score	.76
Exons	1690..1800, 2038..2477, 3477..3626, 3892..4102, 4511..4556, 5055..5175, 5404..5501		
Seq. No.	34378	Seq. ID	OJ990308_07.9819.C34
Gene No.	71167	Strand	+
Start	1690	End	5764
Name	OJ990308_07.9819.C34.o1.np	Method	AAT/NAP
Start	2418	End	5764
GI	6939230	Score	994
Exons	2418..2511, 3063..3178, 3284..3341, 3477..3626, 3892..4102, 4511..4556, 5055..5175, 5292..5364, 5523..5764		
GI Descrip.	(AC020579) putative mitochondrial carrier protein [Arabidopsis thaliana]		

Seq. No.	34378	Seq. ID	OJ990308_07.9819.C34
Gene No.	71167	Strand	+
Start	1690	End	5764
Name	OJ990308_07.9819.C34.o1.gp	Method	AAT/GAP
Start	3286	End	5092
GI	uC-osflcyp024d09b1	Score	918
Exons	3286..3341, 3477..3626, 3892..4102, 4511..4556, 5055..5092		
GI Descrip.	'2497989/sp Q03829 YM39_YEAST.3.0e-19 PUTATIVE MITOCHONDRIAL CARRIER YMR166C >gi_1078573_pir_S54524 hypothetical protein YMR166c - yeast (Saccharomyces cerevisiae) >gi_825571_emb_CAA89802_ (Z49705) unknown [Saccharomyces cerevisiae]'		

Seq. No.	34378	Seq. ID	OJ990308_07.9819.C34
Gene No.	71168	Strand	-
Start	5732	End	6028
Name	OJ990308_07.9819.C34.o1.tm	Method	TBLASTX:Maize
Start	3061	End	3506
GI	none	Score	127
Exons	3061..3180, 3062..3202, 3065..3244, 3281..3343, 3281..3334, 3283..3342, 3474..3506		

Seq. No.	34378	Seq. ID	OJ990308_07.9819.C34
Gene No.	71168	Strand	-
Start	5732	End	6028
Name	OJ990308_07.9819.C34.o2.ts	Method	TBLASTX:Soybean
Start	3062	End	3202
GI	none	Score	182
Exons	3062..3202, 3064..3171		

Seq. No.	34378	Seq. ID	OJ990308_07.9819.C34
Gene No.	71168	Strand	-
Start	5732	End	6028
Name	OJ990308_07.9819.C34.o1.ts	Method	TBLASTX:Soybean
Start	3287	End	3646
GI	none	Score	77
Exons	3287..3343, 3289..3345, 3469..3627, 3469..3627, 3476..3646		

Seq. No.	34378	Seq. ID	OJ990308_07.9819.C34
Gene No.	71168	Strand	-
Start	5732	End	6028
Name	OJ990308_07.9819.C34.o2.tm	Method	TBLASTX:Maize

Start	5581	End	5735
GI	none	Score	227
Exons	5581..5625, 5586..5735, 5587..5733		

Seq. No.	34378	Seq. ID	OJ990308_07.9819.C34
Gene No.	71168	Strand	-
Start	5732	End	6028
Name	OJ990308_07.9819.C34.o2.gp	Method	AAT/GAP
Start	5732	End	6028
GI	none	Score	535
Exons	5732..6028		

Seq. No.	34379	Seq. ID	OJ990308_07.9819.C35
Gene No.	71169	Strand	+
Start	140	End	1046
Name	OJ990308_07.9819.C35.o1.gs	Method	GENSCAN
Start	140	End	504
GI	none	Score	.92
Exons	140..280, 367..504		

Seq. No.	34379	Seq. ID	OJ990308_07.9819.C35
Gene No.	71169	Strand	+
Start	140	End	1046
Name	OJ990308_07.9819.C35.o1.tm	Method	TBLASTX:Maize
Start	213	End	1046
GI	none	Score	58
Exons	213..281, 214..282, 356..391, 640..720, 651..722, 659..721, 670..723, 835..888, 835..879, 837..947, 981..1046, 983..1045		

Seq. No.	34380	Seq. ID	OJ990308_07.9819.C36
Gene No.	71170	Strand	+
Start	825	End	3580
Name	OJ990308_07.9819.C36.o1.gs	Method	GENSCAN
Start	825	End	3580
GI	none	Score	.69
Exons	825..907, 999..1128, 1578..1742, 2558..2745, 3038..3093, 3412..3580		

Seq. No.	34380	Seq. ID	OJ990308_07.9819.C36
Gene No.	71170	Strand	+
Start	825	End	3580
Name	OJ990308_07.9819.C36.o1.tm	Method	TBLASTX:Maize
Start	1649	End	2607
GI	none	Score	132
Exons	1649..1741, 1649..1741, 1650..1742, 1650..1742, 2216..2380, 2217..2369, 2227..2373, 2444..2479, 2560..2607		

Seq. No.	34381	Seq. ID	OJ990308_07.9819.C37
Gene No.	71171	Strand	-
Start	465	End	522
Name	OJ990308_07.9819.C37.o1.gp	Method	AAT/GAP
Start	465	End	522
GI	2799558	Score	98
Exons	465..522		

Seq. No.	34381	Seq. ID	OJ990308_07.9819.C37
Gene No.	71172	Strand	-

Start	468	End	5745
Name	OJ990308_07.9819.C37.o1.gs		Method
Start	468	End	5745
GI	none	Score	.6
Exons	468..618, 1379..1827, 2051..2332, 2690..2811, 3380..3601, 4176..4239, 4506..5745		

Seq. No.	34381	Seq. ID	OJ990308_07.9819.C37
Gene No.	71172	Strand	-
Start	468	End	5745
Name	OJ990308_07.9819.C37.o2.gp		Method
Start	1491	End	2135
GI	none	Score	1039
Exons	1491..1951, 2051..2135		

Seq. No.	34381	Seq. ID	OJ990308_07.9819.C37
Gene No.	71172	Strand	-
Start	468	End	5745
Name	OJ990308_07.9819.C37.o1.tm		Method
Start	3373	End	3611
GI	none	Score	173
Exons	3373..3594, 3379..3603, 3386..3601, 3399..3611		

Seq. No.	34382	Seq. ID	OJ990308_07.9819.C38
Gene No.	71173	Strand	+
Start	2484	End	3509
Name	OJ990308_07.9819.C38.o1.np		Method
Start	2484	End	3509
GI	5922623	Score	200
Exons	2484..2564, 2942..3098, 3266..3341, 3484..3509		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	34382	Seq. ID	OJ990308_07.9819.C38
Gene No.	71174	Strand	-
Start	434	End	3011
Name	OJ990308_07.9819.C38.o1.gs		Method
Start	434	End	3011
GI	none	Score	.5
Exons	434..520, 1715..1811, 1834..1928, 2517..2688, 2899..3011		

Seq. No.	34383	Seq. ID	OJ990308_07.9819.C39
Gene No.	71175	Strand	+
Start	1750	End	6575
Name	OJ990308_07.9819.C39.o1.gs		Method
Start	1750	End	6575
GI	none	Score	.84
Exons	1750..1892, 2384..2431, 5219..5466, 5549..5601, 5718..5886, 5988..6273, 6510..6575		

Seq. No.	34383	Seq. ID	OJ990308_07.9819.C39
Gene No.	71176	Strand	-
Start	1587	End	2960
Name	OJ990308_07.9819.C39.o2.gp		Method
Start	1587	End	2960
GI	none	Score	1174

Exons 1587..2141, 2903..2960

Seq. No. 34384
Gene No. 71177
Start 144
Name OJ990308_07.9819.C40.ol.gs
Start 144
GI none
Exons 144..150, 584..630

Seq. ID OJ990308_07.9819.C40
Strand +
End 630
Method GENSCAN
End 630
Score .88

Seq. No. 34385
Gene No. 71178
Start 413
Name OJ990308_07.9819.C41.ol.gs
Start 413
GI none
Exons 413..523

Seq. ID OJ990308_07.9819.C41
Strand -
End 523
Method GENSCAN
End 523
Score .75

Seq. No. 34386
Gene No. 71179
Start 168
Name OJ990308_07.9819.C43.ol.gs
Start 168
GI none
Exons 168..578, 660..662

Seq. ID OJ990308_07.9819.C43
Strand -
End 717
Method GENSCAN
End 662
Score .59

Seq. No. 34386
Gene No. 71179
Start 168
Name OJ990308_07.9819.C43.ol.tm
Start 357
GI none
Exons 357..524, 365..547, 366..554,

Seq. ID OJ990308_07.9819.C43
Strand -
End 717
Method TBLASTX:Maize
End 717
Score 161
632..712, 640..717

Seq. No. 34387
Gene No. 71180
Start 1
Name OJ990308_07.9819.C44.ol.np
Start 1
GI 2842424
Exons 1..110, 217..336, 422..553
GI Descrip. (AJ223948) RNA helicase [Homo sapiens]

Seq. ID OJ990308_07.9819.C44
Strand +
End 553
Method AAT/NAP
End 553
Score 114

Seq. No. 34387
Gene No. 71180
Start 1
Name OJ990308_07.9819.C44.ol.tm
Start 189
GI none
Exons 189..335, 190..336, 196..336, 422..538

Seq. ID OJ990308_07.9819.C44
Strand +
End 553
Method TBLASTX:Maize
End 541
Score 172

Seq. No. 34387
Gene No. 71180
Start 1
Name OJ990308_07.9819.C44.ol.ts
Start 211

Seq. ID OJ990308_07.9819.C44
Strand +
End 553
Method TBLASTX:Soybean
End 538

GI	none	Score	144
Exons	211..336, 213..332, 434..538, 442..537		
Seq. No.	34388	Seq. ID	OJ990308_07.9819.C51
Gene No.	71181	Strand	+
Start	519	End	1868
Name	OJ990308_07.9819.C51.o1.gs	Method	GENSCAN
Start	519	End	1868
GI	none	Score	.7
Exons	519..685, 959..1400, 1791..1868		

Seq. No.	34388	Seq. ID	OJ990308_07.9819.C51
Gene No.	71181	Strand	+
Start	519	End	1868
Name	OJ990308_07.9819.C51.o1.tm	Method	TBLASTX:Maize
Start	1402	End	1821
GI	none	Score	172
Exons	1402..1572, 1406..1558, 1477..1572, 1636..1695, 1637..1693, 1657..1695, 1664..1696, 1789..1821, 1791..1820		

Seq. No.	34389	Seq. ID	OJ990308_07.9819.C52
Gene No.	71182	Strand	+
Start	1037	End	2312
Name	OJ990308_07.9819.C52.o1.gs	Method	GENSCAN
Start	1037	End	2312
GI	none	Score	.96
Exons	1037..1156, 1427..1525, 1630..1784, 2001..2066, 2204..2312		

Seq. No.	34389	Seq. ID	OJ990308_07.9819.C52
Gene No.	71183	Strand	-
Start	1	End	390
Name	OJ990308_07.9819.C52.o1.np	Method	AAT/NAP
Start	1	End	390
GI	5852093	Score	84
Exons	1..81, 280..390		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	34389	Seq. ID	OJ990308_07.9819.C52
Gene No.	71184	Strand	-
Start	3463	End	3564
Name	OJ990308_07.9819.C52.o1.gp	Method	AAT/GAP
Start	3463	End	3564
GI	5004771	Score	157
Exons	3463..3564		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
Gene No.	71185	Strand	+
Start	21	End	4470
Name	OJ990308_07.9819.C53.o1.np	Method	AAT/NAP
Start	21	End	4095
GI	6513923	Score	1611
Exons	21..683, 1193..1357, 1482..1619, 1689..1840, 1946..2054, 2743..2841, 2931..2996, 3083..3190, 4012..4095		
GI Descrip.	(AC011664) putative mitochondrial processing peptidase [Arabidopsis thaliana]		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
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Gene No.	71185	Strand	+
Start	21	End	4470
Name	OJ990308_07.9819.C53.o1.gs	Method	GENSCAN
Start	165	End	4098
GI	none	Score	.89
Exons	165..683, 1193..1357, 1482..1619, 1689..1840, 1946..2054, 2743..2841, 2931..2996, 3083..3190, 4012..4098		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
Gene No.	71185	Strand	+
Start	21	End	4470
Name	OJ990308_07.9819.C53.o1.gp	Method	AAT/GAP
Start	437	End	4470
GI	20118_2.R1084	Score	2866
Exons	437..683, 1193..1357, 1482..1619, 1689..1840, 1946..2054, 2743..2841, 2931..2996, 3083..3190, 4012..4470		
GI Descrip.	'2258469 0.0e+00 (AF009179) replication protein A1 [Oryza sativa]'		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
Gene No.	71186	Strand	+
Start	9601	End	12071
Name	OJ990308_07.9819.C53.o3.np	Method	AAT/NAP
Start	9601	End	12071
GI	4760708	Score	85
Exons	9601..9639, 10994..11188, 12000..12071		
GI Descrip.	(AB012866) SAE1-S9-protein [Brassica rapa]		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
Gene No.	71187	Strand	-
Start	6299	End	11944
Name	OJ990308_07.9819.C53.o1.tm	Method	TBLASTX:Maize
Start	153	End	4421
GI	none	Score	801
Exons	153..686, 245..622, 529..687, 1191..1358, 1191..1358, 1192..1359, 1192..1359, 1193..1360, 1478..1621, 1481..1633, 1482..1622, 1668..1841, 1677..1838, 1687..1839, 1688..1840, 1946..2035, 1947..2054, 1949..2056, 2718..2840, 2725..2844, 2734..2841, 2745..2855, 2928..3002, 2929..2994, 2930..3001, 3049..3186, 3079..3201, 3080..3202, 3086..3202, 4001..4099, 4002..4115, 4003..4116, 4003..4116, 4142..4195, 4146..4196, 4147..4197, 4214..4321, 4214..4321, 4234..4323, 4249..4335, 4368..4421		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
Gene No.	71187	Strand	-
Start	6299	End	11944
Name	OJ990308_07.9819.C53.o1.tc	Method	TBLASTX:Cress
Start	156	End	3202
GI	none	Score	634
Exons	156..686, 165..464, 251..628, 1192..1359, 1193..1360, 1481..1633, 1482..1622, 1668..1841, 1677..1838, 1688..1840, 1946..2035, 1947..2054, 1959..2054, 2725..2844, 2745..2843, 2928..3002, 2930..3001, 3079..3171, 3080..3202		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
Gene No.	71187	Strand	-

Start 6299
Name OJ990308_07.9819.C53.o4.ts
Start 156
GI none
Exons 156..386, 165..386, 251..388

End 11944
Method TBLASTX:Soybean
End 388
Score 302

Seq. No. 34390
Gene No. 71187
Start 6299
Name OJ990308_07.9819.C53.o2.tw
Start 245
GI none
Exons 245..424, 246..425

Seq. ID OJ990308_07.9819.C53
Strand -
End 11944
Method TBLASTX:Wheat
End 425
Score 259

Seq. No. 34390
Gene No. 71187
Start 6299
Name OJ990308_07.9819.C53.o3.ts
Start 422
GI none
Exons 422..598, 428..628, 429..686, 528..698, 1170..1292, 1191..1304, 1192..1311, 1193..1312

Seq. ID OJ990308_07.9819.C53
Strand -
End 11944
Method TBLASTX:Soybean
End 1312
Score 168

Seq. No. 34390
Gene No. 71187
Start 6299
Name OJ990308_07.9819.C53.o1.ts
Start 1313
GI none
Exons 1313..1360, 1316..1360, 1481..1621, 1482..1622, 1488..1631, 1674..1841, 1677..1838, 1688..1840, 1946..2035, 1947..2054, 1971..2054, 2725..2844, 2734..2841, 2928..3002, 2930..3001, 3079..3201, 3079..3201, 3080..3202, 4003..4068, 4009..4098, 4011..4097

Seq. ID OJ990308_07.9819.C53
Strand -
End 11944
Method TBLASTX:Soybean
End 4098
Score 67

Seq. No. 34390
Gene No. 71187
Start 6299
Name OJ990308_07.9819.C53.o1.tw
Start 1691
GI none
Exons 1691..1840, 1692..1841, 1696..1860, 1946..2035, 1947..2054, 1950..2054, 1952..2056, 2721..2834, 2725..2844, 2734..2841, 2745..2843, 2928..3002, 2930..2992, 3051..3197, 3080..3202, 3085..3201, 4003..4068, 4003..4098, 4011..4109

Seq. ID OJ990308_07.9819.C53
Strand -
End 11944
Method TBLASTX:Wheat
End 4109
Score 256

Seq. No. 34390
Gene No. 71187
Start 6299
Name OJ990308_07.9819.C53.o2.gp
Start 5982
GI 3769156
Exons 5982..6283

Seq. ID OJ990308_07.9819.C53
Strand -
End 11944
Method AAT/GAP
End 6283
Score 565

Seq. No. 34390
Gene No. 71187
Start 6299

Seq. ID OJ990308_07.9819.C53
Strand -
End 11944

Name	OJ990308_07.9819.C53.o2.np	Method	AAT/NAP
Start	5988	End	10462
GI	833835	Score	942
Exons	5988..6078, 6282..6466, 6604..6713, 6822..6943, 7395..7626, 7966..8081, 8189..8444, 8912..8999, 9083..9154, 9288..9363, 9494..9547, 10386..10462		
GI Descrip.	(U26025) amygdalin hydrolase isoform AH I precursor [Prunus serotina]		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
Gene No.	71187	Strand	-
Start	6299	End	11944
Name	OJ990308_07.9819.C53.o3.tm	Method	TBLASTX:Maize
Start	6296	End	6472
GI	none	Score	233
Exons	6296..6469, 6301..6468, 6302..6472, 6427..6471		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
Gene No.	71187	Strand	-
Start	6299	End	11944
Name	OJ990308_07.9819.C53.o2.gs	Method	GENSCAN
Start	6299	End	11944
GI	none	Score	91
Exons	6299..6470, 6605..6713, 6822..6924, 7026..7057, 7403..7626, 7966..8081, 8189..8444, 8912..8999, 9083..9154, 9288..9363, 9494..9552, 10394..10460, 10952..10998, 11758..11944		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
Gene No.	71187	Strand	-
Start	6299	End	11944
Name	OJ990308_07.9819.C53.o5.ts	Method	TBLASTX:Soybean
Start	6305	End	6469
GI	none	Score	85
Exons	6305..6469, 6402..6467		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
Gene No.	71187	Strand	-
Start	6299	End	11944
Name	OJ990308_07.9819.C53.o3.tc	Method	TBLASTX:Cress
Start	6308	End	6693
GI	none	Score	90
Exons	6308..6472, 6317..6472, 6321..6473, 6604..6693		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
Gene No.	71187	Strand	-
Start	6299	End	11944
Name	OJ990308_07.9819.C53.o3.gp	Method	AAT/GAP
Start	6416	End	7492
GI	5005372	Score	698
Exons	6416..6470, 6605..6713, 6822..6924, 7026..7057, 7403..7492		
GI Descrip.	1236961 3.0e-26 (U50201) prunasin hydrolase precursor [Prunus serotina]		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
Gene No.	71187	Strand	-
Start	6299	End	11944
Name	OJ990308_07.9819.C53.o4.tm	Method	TBLASTX:Maize

Start	6818	End	8013
GI	none	Score	84
Exons	6818..6925, 6820..6927, 6823..6951, 7009..7056, 7020..7052, 7404..7544, 7405..7632, 7405..7452, 7503..7631, 7960..8013, 7965..8012		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
Gene No.	71187	Strand	-
Start	6299	End	11944
Name	OJ990308_07.9819.C53.o3.tw	Method	TBLASTX:Wheat
Start	7503	End	9369
GI	none	Score	63
Exons	7503..7631, 7549..7632, 7965..8072, 8192..8443, 8307..8444, 8912..8992, 8917..8997, 9090..9164, 9099..9158, 9289..9369		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
Gene No.	71187	Strand	-
Start	6299	End	11944
Name	OJ990308_07.9819.C53.o2.ts	Method	TBLASTX:Soybean
Start	8016	End	9520
GI	none	Score	205
Exons	8016..8075, 8184..8441, 8189..8440, 8923..9000, 8929..9000, 8937..9002, 9081..9158, 9082..9159, 9272..9358, 9286..9369, 9287..9364, 9486..9518, 9494..9520		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
Gene No.	71187	Strand	-
Start	6299	End	11944
Name	OJ990308_07.9819.C53.o2.tm	Method	TBLASTX:Maize
Start	8028	End	10464
GI	none	Score	71
Exons	8028..8084, 8028..8084, 8189..8440, 8250..8441, 8300..8443, 8906..8962, 8917..8961, 8935..8997, 8953..9000, 8954..9001, 9081..9164, 9082..9159, 9286..9369, 9287..9364, 9304..9369, 9486..9554, 9494..9553, 10361..10459, 10392..10460, 10393..10464, 10393..10461		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
Gene No.	71187	Strand	-
Start	6299	End	11944
Name	OJ990308_07.9819.C53.o2.tc	Method	TBLASTX:Cress
Start	8189	End	9158
GI	none	Score	184
Exons	8189..8443, 8250..8441, 8300..8443, 8915..9001, 8917..9000, 9081..9158, 9111..9158		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
Gene No.	71187	Strand	-
Start	6299	End	11944
Name	OJ990308_07.9819.C53.o4.gp	Method	AAT/GAP
Start	8377	End	9552
GI	572327	Score	638
Exons	8377..8444, 8912..8999, 9083..9154, 9288..9363, 9494..9552		
GI Descrip.	3820531/gb AAC69619.1 2.0e-46 (AF072736) beta-glucosidase [Pinus contorta]		

Seq. No.	34390	Seq. ID	OJ990308_07.9819.C53
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Gene No.	71187	Strand	-
Start	6299	End	11944
Name	OJ990308_07.9819.C53.o5.tm	Method	TBLASTX:Maize
Start	10988	End	11395
GI	none	Score	137
Exons	10988..11224, 11270..11395		
Seq. No.	34391	Seq. ID	OJ990308_07.9819.C54
Gene No.	71188	Strand	+
Start	13398	End	14563
Name	OJ990308_07.9819.C54.o1.gp	Method	AAT/GAP
Start	13398	End	14563
GI	33402_2.R1084	Score	406
Exons	13398..13530, 14466..14563		
GI Descrip.	'3337356 5.0e-62 (AC004481) putative protein transport protein SEC61 alpha subunit [Arabidopsis thaliana]'		
Seq. No.	34391	Seq. ID	OJ990308_07.9819.C54
Gene No.	71189	Strand	+
Start	14472	End	14621
Name	OJ990308_07.9819.C54.o2.np	Method	AAT/NAP
Start	14472	End	14621
GI	3337356	Score	139
Exons	14472..14621		
GI Descrip.	(AC004481) putative protein transport protein SEC61 alpha subunit [Arabidopsis thaliana]		
Seq. No.	34391	Seq. ID	OJ990308_07.9819.C54
Gene No.	71190	Strand	-
Start	322	End	513
Name	OJ990308_07.9819.C54.o1.gs	Method	GENSCAN
Start	322	End	513
GI	none	Score	.99
Exons	322..513		
Seq. No.	34391	Seq. ID	OJ990308_07.9819.C54
Gene No.	71191	Strand	-
Start	7630	End	10241
Name	OJ990308_07.9819.C54.o1.np	Method	AAT/NAP
Start	7630	End	10241
GI	4680186	Score	336
Exons	7630..7812, 8230..8391, 10218..10241		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	34392	Seq. ID	OJ990308_07.9819.C55
Gene No.	71192	Strand	-
Start	432	End	996
Name	OJ990308_07.9819.C55.o1.gs	Method	GENSCAN
Start	432	End	982
GI	none	Score	.65
Exons	432..446, 881..982		
Seq. No.	34392	Seq. ID	OJ990308_07.9819.C55
Gene No.	71192	Strand	-
Start	432	End	996
Name	OJ990308_07.9819.C55.o1.ts	Method	TBLASTX:Soybean
Start	881	End	996

GI	none	Score	105
Exons	881..988, 891..986, 892..996		
Seq. No.	34393	Seq. ID	OJ990308_07.9819.C57
Gene No.	71193	Strand	+
Start	552	End	925
Name	OJ990308_07.9819.C57.o1.gp	Method	AAT/GAP
Start	552	End	925
GI	none	Score	704
Exons	552..925		
Seq. No.	34393	Seq. ID	OJ990308_07.9819.C57
Gene No.	71194	Strand	-
Start	893	End	1087
Name	OJ990308_07.9819.C57.o1.np	Method	AAT/NAP
Start	893	End	1087
GI	6939230	Score	139
Exons	893..1087		
GI Descrip.	(AC020579) putative mitochondrial carrier protein [Arabidopsis thaliana]		

Seq. No.	34393	Seq. ID	OJ990308_07.9819.C57
Gene No.	71194	Strand	-
Start	893	End	1087
Name	OJ990308_07.9819.C57.o1.tm	Method	TBLASTX:Maize
Start	922	End	1076
GI	none	Score	184
Exons	922..1071, 924..1076, 924..1070		

Seq. No.	34394	Seq. ID	OJ990308_07.9819.C59
Gene No.	71195	Strand	-
Start	1	End	735
Name	OJ990308_07.9819.C59.o1.np	Method	AAT/NAP
Start	1	End	735
GI	2673917	Score	89
Exons	1..279, 374..439, 629..735		
GI Descrip.	(AC002561) putative ATP-dependent RNA helicase [Arabidopsis thaliana]		

Seq. No.	34394	Seq. ID	OJ990308_07.9819.C59
Gene No.	71195	Strand	-
Start	1	End	735
Name	OJ990308_07.9819.C59.o1.gs	Method	GENSCAN
Start	180	End	379
GI	none	Score	.8
Exons	180..279, 374..379		

Seq. No.	34395	Seq. ID	OJ990308_07.9819.C60
Gene No.	71196	Strand	-
Start	1	End	725
Name	OJ990308_07.9819.C60.o1.np	Method	AAT/NAP
Start	1	End	725
GI	6321710	Score	297
Exons	1..110, 348..509, 576..725		
GI Descrip.	Ygr271wp gi 1723776 sp P53327 YG50 YEAST PUTATIVE HELICASE YGR271W gi 2131712 pir S64604 hypothetical protein YGR271w - yeast (Saccharomyces cerevisiae) gi 1323493 emb CAA97301		

(Z73056) ORF YGR271w [Saccharomyces cerevisiae]

Seq. No.	34395	Seq. ID	OJ990308_07.9819.C60
Gene No.	71196	Strand	-
Start	1	End	725
Name	OJ990308_07.9819.C60.ol.gs	Method	GENSCAN
Start	45	End	679
GI	none	Score	.89
Exons	45..110, 348..509, 576..679		

Seq. No.	34396	Seq. ID	OJ990308_01.9819.C1
Gene No.	71197	Strand	-
Start	212	End	367
Name	OJ990308_01.9819.C1.ol.gp	Method	AAT/GAP
Start	212	End	367
GI	jC-osleLIB3474037glla1	Score	283
Exons	212..367		
GI Descrip.	'5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	34397	Seq. ID	OJ990308_01.9819.C4
Gene No.	71198	Strand	-
Start	572	End	841
Name	OJ990308_01.9819.C4.ol.tm	Method	TBLASTX:Maize
Start	572	End	841
GI	none	Score	193
Exons	572..841		

Seq. No.	34397	Seq. ID	OJ990308_01.9819.C4
Gene No.	71199	Strand	-
Start	2336	End	2635
Name	OJ990308_01.9819.C4.ol.tw	Method	TBLASTX:Wheat
Start	2336	End	2635
GI	none	Score	115
Exons	2336..2494, 2362..2493, 2508..2630, 2516..2635		

Seq. No.	34398	Seq. ID	OJ990308_01.9819.C5
Gene No.	71200	Strand	-
Start	27	End	658
Name	OJ990308_01.9819.C5.ol.tm	Method	TBLASTX:Maize
Start	27	End	359
GI	none	Score	360
Exons	27..359, 86..346		

Seq. No.	34398	Seq. ID	OJ990308_01.9819.C5
Gene No.	71200	Strand	-
Start	27	End	658
Name	OJ990308_01.9819.C5.ol.tw	Method	TBLASTX:Wheat
Start	33	End	658
GI	none	Score	434
Exons	33..452, 86..346, 135..350, 599..658		

Seq. No.	34398	Seq. ID	OJ990308_01.9819.C5
Gene No.	71200	Strand	-
Start	27	End	658
Name	OJ990308_01.9819.C5.ol.ts	Method	TBLASTX:Soybean
Start	78	End	461

GI none Score 274
Exons 78..461, 128..271, 144..350

Seq. No. 34399 Seq. ID OJ990308_01.9819.C7
Gene No. 71201 Strand
Start 24 End 810
Name OJ990308_01.9819.C7.o1.tw Method TBLASTX:Wheat
Start 24 End 477
GI none Score 121
Exons 24..245, 43..477, 57..359, 417..476

Seq. No. 34399 Seq. ID OJ990308_01.9819.C7
Gene No. 71201 Strand
Start 24 End 810
Name OJ990308_01.9819.C7.o1.tm Method TBLASTX:Maize
Start 31 End 615
GI none Score 215
Exons 31..183, 43..192, 45..185, 51..194, 189..362, 190..615, 310..594, 417..614

Seq. No. 34399 Seq. ID OJ990308_01.9819.C7
Gene No. 71201 Strand
Start 24 End 810
Name OJ990308_01.9819.C7.o2.tw Method TBLASTX:Wheat
Start 477 End 810
GI none Score 312
Exons 477..758, 478..810

Seq. No. 34400 Seq. ID OJ990308_01.9819.C9
Gene No. 71202 Strand -
Start 1 End 201
Name OJ990308_01.9819.C9.o1.gp Method AAT/GAP
Start 1 End 201
GI 61605 3.R1084 Score 224
Exons 1..201
GI Descrip. '1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'

Seq. No. 34401 Seq. ID OJ990308_01.9819.C13
Gene No. 71203 Strand
Start 3123 End 3539
Name OJ990308_01.9819.C13.o1.tm Method TBLASTX:Maize
Start 3123 End 3506
GI none Score 117
Exons 3123..3278, 3192..3278, 3282..3506, 3288..3506

Seq. No. 34401 Seq. ID OJ990308_01.9819.C13
Gene No. 71203 Strand
Start 3123 End 3539
Name OJ990308_01.9819.C13.o1.ts Method TBLASTX:Soybean
Start 3219 End 3539
GI 5509260 Score 62
Exons 3219..3269, 3221..3271, 3297..3428, 3333..3440, 3423..3539
GI Descrip. -

Seq. No. 34402 Seq. ID OJ990308_01.9819.C14
Gene No. 71204 Strand

Start	61	End	323
Name	OJ990308_01.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	61	End	323
GI	none	Score	48
Exons	61..225, 76..183, 84..323		

Seq. No.	34403	Seq. ID	OJ990308_01.9819.C17
Gene No.	71205	Strand	-
Start	1147	End	1214
Name	OJ990308_01.9819.C17.o1.gp	Method	AAT/GAP
Start	1147	End	1214
GI	uC-osflM202048c12b1	Score	106
Exons	1147..1214		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	34404	Seq. ID	OJ990308_01.9819.C19
Gene No.	71206	Strand	
Start	14	End	478
Name	OJ990308_01.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	14	End	376
GI	none	Score	391
Exons	14..376, 103..363		

Seq. No.	34404	Seq. ID	OJ990308_01.9819.C19
Gene No.	71206	Strand	
Start	14	End	478
Name	OJ990308_01.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	50	End	469
GI	none	Score	439
Exons	50..469, 103..363, 152..367		

Seq. No.	34404	Seq. ID	OJ990308_01.9819.C19
Gene No.	71206	Strand	
Start	14	End	478
Name	OJ990308_01.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	95	End	478
GI	none	Score	274
Exons	95..478, 145..288, 161..367		

Seq. No.	34404	Seq. ID	OJ990308_01.9819.C19
Gene No.	71207	Strand	
Start	554	End	745
Name	OJ990308_01.9819.C19.o4.tw	Method	TBLASTX:Wheat
Start	554	End	745
GI	none	Score	178
Exons	554..745, 556..744		

Seq. No.	34404	Seq. ID	OJ990308_01.9819.C19
Gene No.	71208	Strand	
Start	746	End	1177
Name	OJ990308_01.9819.C19.o2.tw	Method	TBLASTX:Wheat
Start	746	End	1177
GI	none	Score	303
Exons	746..1177, 886..1098		

Seq. No.	34404	Seq. ID	OJ990308_01.9819.C19
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Gene No.	71209	Strand	
Start	1376	End	1876
Name	OJ990308_01.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	1376	End	1837
GI	none	Score	343
Exons	1376..1837, 1423..1647, 1532..1654, 1724..1837		
Seq. No.	34404	Seq. ID	OJ990308_01.9819.C19
Gene No.	71209	Strand	
Start	1376	End	1876
Name	OJ990308_01.9819.C19.o3.tw	Method	TBLASTX:Wheat
Start	1487	End	1876
GI	none	Score	229
Exons	1487..1876		
Seq. No.	34405	Seq. ID	OJ990308_01.9819.C20
Gene No.	71210	Strand	
Start	8694	End	8892
Name	OJ990308_01.9819.C20.o8.tw	Method	TBLASTX:Wheat
Start	8694	End	8892
GI	none	Score	215
Exons	8694..8891, 8695..8892		
Seq. No.	34405	Seq. ID	OJ990308_01.9819.C20
Gene No.	71211	Strand	
Start	8947	End	9294
Name	OJ990308_01.9819.C20.o6.tm	Method	TBLASTX:Maize
Start	8947	End	9249
GI	none	Score	245
Exons	8947..9249, 8970..9050, 9023..9100		
Seq. No.	34405	Seq. ID	OJ990308_01.9819.C20
Gene No.	71211	Strand	
Start	8947	End	9294
Name	OJ990308_01.9819.C20.o6.tw	Method	TBLASTX:Wheat
Start	8947	End	9294
GI	none	Score	308
Exons	8947..9294		
Seq. No.	34405	Seq. ID	OJ990308_01.9819.C20
Gene No.	71212	Strand	
Start	9628	End	9981
Name	OJ990308_01.9819.C20.o7.tw	Method	TBLASTX:Wheat
Start	9628	End	9981
GI	none	Score	261
Exons	9628..9981		
Seq. No.	34405	Seq. ID	OJ990308_01.9819.C20
Gene No.	71213	Strand	
Start	9985	End	10178
Name	OJ990308_01.9819.C20.o7.tm	Method	TBLASTX:Maize
Start	9985	End	10178
GI	none	Score	188
Exons	9985..10176, 10023..10178		
Seq. No.	34405	Seq. ID	OJ990308_01.9819.C20
Gene No.	71214	Strand	

Start 10113
 Name OJ990308_01.9819.C20.o4.tw
 Start 10113
 GI none
 Exons 10113..10553, 10114..10596

End 10626
 Method TBLASTX:Wheat
 End 10596
 Score 518

Seq. No. 34405
 Gene No. 71214
 Start 10113
 Name OJ990308_01.9819.C20.o4.ts
 Start 10150
 GI none
 Exons 10150..10464

Seq. ID OJ990308_01.9819.C20
 Strand
 End 10626
 Method TBLASTX:Soybean
 End 10464
 Score 193

Seq. No. 34405
 Gene No. 71214
 Start 10113
 Name OJ990308_01.9819.C20.o4.tm
 Start 10179
 GI none
 Exons 10179..10421, 10183..10626

Seq. ID OJ990308_01.9819.C20
 Strand
 End 10626
 Method TBLASTX:Maize
 End 10626
 Score 373

Seq. No. 34405
 Gene No. 71215
 Start 10537
 Name OJ990308_01.9819.C20.o1.ts
 Start 10537
 GI none
 Exons 10537..10569, 10539..10568, 10681..10932, 10689..10922

Seq. ID OJ990308_01.9819.C20
 Strand
 End 11013
 Method TBLASTX:Soybean
 End 10932
 Score 57

Seq. No. 34405
 Gene No. 71215
 Start 10537
 Name OJ990308_01.9819.C20.o5.tm
 Start 10681
 GI none
 Exons 10681..11013, 10734..11012

Seq. ID OJ990308_01.9819.C20
 Strand
 End 11013
 Method TBLASTX:Maize
 End 11013
 Score 310

Seq. No. 34405
 Gene No. 71215
 Start 10537
 Name OJ990308_01.9819.C20.o5.tw
 Start 10683
 GI none
 Exons 10683..10946, 10684..10947

Seq. ID OJ990308_01.9819.C20
 Strand
 End 11013
 Method TBLASTX:Wheat
 End 10947
 Score 373

Seq. No. 34405
 Gene No. 71216
 Start 10948
 Name OJ990308_01.9819.C20.o3.tw
 Start 10948
 GI none
 Exons 10948..11373, 10950..11366, 11023..11373

Seq. ID OJ990308_01.9819.C20
 Strand
 End 11373
 Method TBLASTX:Wheat
 End 11373
 Score 596

Seq. No. 34405
 Gene No. 71216

Seq. ID OJ990308_01.9819.C20
 Strand

Start	10948	End	11373
Name	OJ990308_01.9819.C20.o3.ts	Method	TBLASTX:Soybean
Start	10954	End	11202
GI	none	Score	207
Exons	10954..11202		
Seq. No.	34405	Seq. ID	OJ990308_01.9819.C20
Gene No.	71216	Strand	
Start	10948	End	11373
Name	OJ990308_01.9819.C20.o2.tm	Method	TBLASTX:Maize
Start	11020	End	11373
GI	none	Score	461
Exons	11020..11373, 11025..11366		
Seq. No.	34405	Seq. ID	OJ990308_01.9819.C20
Gene No.	71217	Strand	
Start	11401	End	12807
Name	OJ990308_01.9819.C20.o2.tw	Method	TBLASTX:Wheat
Start	11401	End	11940
GI	none	Score	634
Exons	11401..11940, 11583..11936		
Seq. No.	34405	Seq. ID	OJ990308_01.9819.C20
Gene No.	71217	Strand	
Start	11401	End	12807
Name	OJ990308_01.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	11638	End	11964
GI	none	Score	90
Exons	11638..11820, 11821..11964, 11823..11945		
Seq. No.	34405	Seq. ID	OJ990308_01.9819.C20
Gene No.	71217	Strand	
Start	11401	End	12807
Name	OJ990308_01.9819.C20.o2.ts	Method	TBLASTX:Soybean
Start	11728	End	11988
GI	none	Score	301
Exons	11728..11988, 11739..11987, 11740..11988		
Seq. No.	34405	Seq. ID	OJ990308_01.9819.C20
Gene No.	71217	Strand	
Start	11401	End	12807
Name	OJ990308_01.9819.C20.o3.tm	Method	TBLASTX:Maize
Start	11787	End	12078
GI	none	Score	161
Exons	11787..12074, 11787..12074, 11788..12078, 11920..12075		
Seq. No.	34405	Seq. ID	OJ990308_01.9819.C20
Gene No.	71217	Strand	
Start	11401	End	12807
Name	OJ990308_01.9819.C20.o1.tw	Method	TBLASTX:Wheat
Start	11947	End	12573
GI	none	Score	722
Exons	11947..12573, 11956..12294, 12006..12452, 12319..12531, 12513..12572		
Seq. No.	34405	Seq. ID	OJ990308_01.9819.C20
Gene No.	71217	Strand	

Start	11401	End	12807
Name	OJ990308_01.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	12126	End	12687
GI	none	Score	229
Exons	12126..12281, 12127..12288, 12147..12290, 12285..12449, 12286..12687, 12446..12511, 12513..12683		

Seq. No.	34405	Seq. ID	OJ990308_01.9819.C20
Gene No.	71217	Strand	
Start	11401	End	12807
Name	OJ990308_01.9819.C20.o9.tw	Method	TBLASTX:Wheat
Start	12574	End	12807
GI	none	Score	141
Exons	12574..12687, 12577..12681, 12669..12686, 12700..12807		

Seq. No.	34406	Seq. ID	OJ990308_01.9819.C22
Gene No.	71218	Strand	
Start	1338	End	1732
Name	OJ990308_01.9819.C22.o1.tw	Method	TBLASTX:Wheat
Start	1338	End	1723
GI	none	Score	60
Exons	1338..1430, 1338..1406, 1429..1617, 1430..1723, 1430..1621		

Seq. No.	34406	Seq. ID	OJ990308_01.9819.C22
Gene No.	71218	Strand	
Start	1338	End	1732
Name	OJ990308_01.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	1430	End	1732
GI	none	Score	199
Exons	1430..1732		

Seq. No.	34406	Seq. ID	OJ990308_01.9819.C22
Gene No.	71219	Strand	
Start	1997	End	2428
Name	OJ990308_01.9819.C22.o2.tw	Method	TBLASTX:Wheat
Start	1997	End	2428
GI	none	Score	123
Exons	1997..2113, 1998..2117, 2144..2428		

Seq. No.	34407	Seq. ID	OJ990308_01.9819.C23
Gene No.	71220	Strand	+
Start	1359	End	1666
Name	OJ990308_01.9819.C23.o1.gp	Method	AAT/GAP
Start	1359	End	1666
GI	61605_3.R1084	Score	445
Exons	1359..1666		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	34408	Seq. ID	OJ990308_01.9819.C27
Gene No.	71221	Strand	+
Start	1230	End	1537
Name	OJ990308_01.9819.C27.o1.gp	Method	AAT/GAP
Start	1230	End	1537
GI	61605_3.R1084	Score	446
Exons	1230..1537		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis		

thaliana]'

Seq. No.	34408	Seq. ID	OJ990308_01.9819.C27
Gene No.	71222	Strand	
Start	4741	End	5274
Name	OJ990308_01.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	4741	End	5037
GI	none	Score	47
Exons	4741..4809, 4741..5037, 4850..5014, 4858..5034		

Seq. No.	34408	Seq. ID	OJ990308_01.9819.C27
Gene No.	71222	Strand	
Start	4741	End	5274
Name	OJ990308_01.9819.C27.o2.tw	Method	TBLASTX:Wheat
Start	4741	End	4918
GI	none	Score	98
Exons	4741..4917, 4844..4918		

Seq. No.	34408	Seq. ID	OJ990308_01.9819.C27
Gene No.	71222	Strand	
Start	4741	End	5274
Name	OJ990308_01.9819.C27.o1.tw	Method	TBLASTX:Wheat
Start	4918	End	5274
GI	none	Score	78
Exons	4918..5274, 4919..5059, 4994..5068, 5101..5238, 5174..5266		

Seq. No.	34409	Seq. ID	OJ990308_01.9819.C32
Gene No.	71223	Strand	+
Start	5422	End	5807
Name	OJ990308_01.9819.C32.o1.gp	Method	AAT/GAP
Start	5422	End	5807
GI	uC-osflcyp033a04b1	Score	633
Exons	5422..5807		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34409	Seq. ID	OJ990308_01.9819.C32
Gene No.	71224	Strand	
Start	7438	End	7636
Name	OJ990308_01.9819.C32.o4.tw	Method	TBLASTX:Wheat
Start	7438	End	7636
GI	none	Score	208
Exons	7438..7635, 7439..7636		

Seq. No.	34409	Seq. ID	OJ990308_01.9819.C32
Gene No.	71225	Strand	
Start	7685	End	8032
Name	OJ990308_01.9819.C32.o1.tw	Method	TBLASTX:Wheat
Start	7685	End	8032
GI	none	Score	316
Exons	7685..7933, 7688..8032		

Seq. No.	34409	Seq. ID	OJ990308_01.9819.C32
Gene No.	71225	Strand	
Start	7685	End	8032
Name	OJ990308_01.9819.C32.o2.tm	Method	TBLASTX:Maize
Start	7688	End	7993

GI	none	Score	248
Exons	7688..7993, 7688..7933		
Seq. No.	34409	Seq. ID	OJ990308_01.9819.C32
Gene No.	71226	Strand	
Start	8371	End	8724
Name	OJ990308_01.9819.C32.o3.tw	Method	TBLASTX:Wheat
Start	8371	End	8724
GI	none	Score	253
Exons	8371..8724, 8461..8649		

Seq. No.	34409	Seq. ID	OJ990308_01.9819.C32
Gene No.	71227	Strand	
Start	8856	End	9154
Name	OJ990308_01.9819.C32.o2.tw	Method	TBLASTX:Wheat
Start	8856	End	9154
GI	none	Score	225
Exons	8856..9089, 8857..9090, 9077..9154, 9085..9147		

Seq. No.	34409	Seq. ID	OJ990308_01.9819.C32
Gene No.	71227	Strand	
Start	8856	End	9154
Name	OJ990308_01.9819.C32.o1.tm	Method	TBLASTX:Maize
Start	8866	End	9154
GI	none	Score	228
Exons	8866..9084, 8916..9098, 9073..9150, 9077..9154		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71228	Strand	+
Start	1234	End	1688
Name	OJ990308_01.9819.C33.o1.gp	Method	AAT/GAP
Start	1234	End	1688
GI	95437_1.R1084	Score	778
Exons	1234..1688		
GI Descrip.	'4512226/dbj AB014738.1 AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71229	Strand	
Start	2057	End	2454
Name	OJ990308_01.9819.C33.o8.tw	Method	TBLASTX:Wheat
Start	2057	End	2454
GI	none	Score	58
Exons	2057..2107, 2120..2146, 2230..2250, 2257..2454, 2283..2453, 2365..2454		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71230	Strand	
Start	2483	End	2841
Name	OJ990308_01.9819.C33.o6.tw	Method	TBLASTX:Wheat
Start	2483	End	2841
GI	none	Score	58
Exons	2483..2659, 2490..2684, 2491..2841		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71230	Strand	

Start	2483	End	2841
Name	OJ990308_01.9819.C33.o6.tm	Method	TBLASTX:Maize
Start	2491	End	2796
GI	none	Score	232
Exons	2491..2796, 2505..2621		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71231	Strand	
Start	3151	End	3579
Name	OJ990308_01.9819.C33.o7.tm	Method	TBLASTX:Maize
Start	3151	End	3474
GI	none	Score	187
Exons	3151..3474		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71231	Strand	
Start	3151	End	3579
Name	OJ990308_01.9819.C33.o7.tw	Method	TBLASTX:Wheat
Start	3157	End	3579
GI	none	Score	164
Exons	3157..3366, 3213..3365, 3411..3524, 3412..3579		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71232	Strand	
Start	3694	End	4563
Name	OJ990308_01.9819.C33.o3.tw	Method	TBLASTX:Wheat
Start	3694	End	4176
GI	none	Score	52
Exons	3694..3744, 3798..4133, 3799..4176		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71232	Strand	
Start	3694	End	4563
Name	OJ990308_01.9819.C33.o5.tm	Method	TBLASTX:Maize
Start	3706	End	3995
GI	none	Score	276
Exons	3706..3993, 3802..3993, 3804..3995		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71232	Strand	
Start	3694	End	4563
Name	OJ990308_01.9819.C33.o2.tc	Method	TBLASTX:Cress
Start	3823	End	4140
GI	none	Score	180
Exons	3823..4140		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71232	Strand	
Start	3694	End	4563
Name	OJ990308_01.9819.C33.o3.tm	Method	TBLASTX:Maize
Start	4063	End	4563
GI	none	Score	167
Exons	4063..4242, 4071..4217, 4249..4563, 4314..4442, 4411..4521		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71232	Strand	
Start	3694	End	4563

Name	OJ990308_01.9819.C33.o1.ts	Method	TBLASTX:Soybean
Start	4117	End	4512
GI	none	Score	57
Exons	4117..4149, 4119..4148, 4153..4512, 4155..4193, 4221..4511		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71232	Strand	
Start	3694	End	4563
Name	OJ990308_01.9819.C33.o5.tw	Method	TBLASTX:Wheat
Start	4225	End	4527
GI	none	Score	379
Exons	4225..4527, 4226..4306, 4227..4511		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71233	Strand	
Start	4528	End	4962
Name	OJ990308_01.9819.C33.o2.tw	Method	TBLASTX:Wheat
Start	4528	End	4941
GI	none	Score	585
Exons	4528..4941, 4560..4940		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71233	Strand	
Start	4528	End	4962
Name	OJ990308_01.9819.C33.o3.ts	Method	TBLASTX:Soybean
Start	4534	End	4779
GI	none	Score	207
Exons	4534..4779, 4551..4679		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71233	Strand	
Start	4528	End	4962
Name	OJ990308_01.9819.C33.o1.tm	Method	TBLASTX:Maize
Start	4599	End	4962
GI	none	Score	482
Exons	4599..4949, 4600..4953, 4600..4962		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71234	Strand	
Start	4942	End	5568
Name	OJ990308_01.9819.C33.o1.tw	Method	TBLASTX:Wheat
Start	4942	End	5520
GI	none	Score	653
Exons	4942..5520, 4953..5516		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71234	Strand	
Start	4942	End	5568
Name	OJ990308_01.9819.C33.o4.tm	Method	TBLASTX:Maize
Start	5170	End	5484
GI	none	Score	279
Exons	5170..5484, 5280..5483		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71234	Strand	
Start	4942	End	5568
Name	OJ990308_01.9819.C33.o1.tc	Method	TBLASTX:Cress

Start	5227	End	5544
GI	none	Score	90
Exons	5227..5400, 5401..5544, 5403..5543		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71234	Strand	
Start	4942	End	5568
Name	OJ990308_01.9819.C33.o2.ts	Method	TBLASTX:Soybean
Start	5308	End	5568
GI	none	Score	297
Exons	5308..5568, 5311..5559, 5313..5567		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71235	Strand	
Start	5485	End	5906
Name	OJ990308_01.9819.C33.o2.tm	Method	TBLASTX:Maize
Start	5485	End	5802
GI	none	Score	442
Exons	5485..5802, 5496..5747, 5497..5796		

Seq. No.	34410	Seq. ID	OJ990308_01.9819.C33
Gene No.	71235	Strand	
Start	5485	End	5906
Name	OJ990308_01.9819.C33.o4.tw	Method	TBLASTX:Wheat
Start	5526	End	5906
GI	none	Score	192
Exons	5526..5873, 5526..5906, 5527..5889		

Seq. No.	34411	Seq. ID	OJ990308_01.9819.C34
Gene No.	71236	Strand	
Start	195	End	584
Name	OJ990308_01.9819.C34.o1.tw	Method	TBLASTX:Wheat
Start	195	End	584
GI	none	Score	445
Exons	195..584, 197..520		

Seq. No.	34411	Seq. ID	OJ990308_01.9819.C34
Gene No.	71236	Strand	
Start	195	End	584
Name	OJ990308_01.9819.C34.o1.tm	Method	TBLASTX:Maize
Start	227	End	488
GI	none	Score	288
Exons	227..487, 228..488		

Seq. No.	34412	Seq. ID	OJ990308_01.9819.C35
Gene No.	71237	Strand	
Start	2453	End	2989
Name	OJ990308_01.9819.C35.o1.tw	Method	TBLASTX:Wheat
Start	2453	End	2842
GI	none	Score	243
Exons	2453..2842		

Seq. No.	34412	Seq. ID	OJ990308_01.9819.C35
Gene No.	71237	Strand	
Start	2453	End	2989
Name	OJ990308_01.9819.C35.o1.tm	Method	TBLASTX:Maize
Start	2611	End	2974

GI	none	Score	349
Exons	2611..2973, 2612..2974, 2852..2974		
Seq. No.	34412	Seq. ID	OJ990308_01.9819.C35
Gene No.	71237	Strand	
Start	2453	End	2989
Name	OJ990308_01.9819.C35.o1.ts	Method	TBLASTX:Soybean
Start	2615	End	2989
GI	none	Score	95
Exons	2615..2758, 2765..2989		
Seq. No.	34413	Seq. ID	OJ990308_01.9819.C38
Gene No.	71238	Strand	
Start	404	End	602
Name	OJ990308_01.9819.C38.o2.tw	Method	TBLASTX:Wheat
Start	404	End	602
GI	none	Score	208
Exons	404..601, 405..602		
Seq. No.	34413	Seq. ID	OJ990308_01.9819.C38
Gene No.	71239	Strand	
Start	651	End	959
Name	OJ990308_01.9819.C38.o1.tw	Method	TBLASTX:Wheat
Start	651	End	953
GI	none	Score	288
Exons	651..899, 654..953		
Seq. No.	34413	Seq. ID	OJ990308_01.9819.C38
Gene No.	71239	Strand	
Start	651	End	959
Name	OJ990308_01.9819.C38.o1.tm	Method	TBLASTX:Maize
Start	654	End	959
GI	none	Score	248
Exons	654..959, 654..899		
Seq. No.	34414	Seq. ID	OJ990308_01.9819.C39
Gene No.	71240	Strand	
Start	535	End	970
Name	OJ990308_01.9819.C39.o1.tw	Method	TBLASTX:Wheat
Start	535	End	940
GI	none	Score	391
Exons	535..939, 536..940		
Seq. No.	34414	Seq. ID	OJ990308_01.9819.C39
Gene No.	71240	Strand	
Start	535	End	970
Name	OJ990308_01.9819.C39.o1.tm	Method	TBLASTX:Maize
Start	613	End	970
GI	none	Score	104
Exons	613..906, 613..969, 680..970		
Seq. No.	34414	Seq. ID	OJ990308_01.9819.C39
Gene No.	71241	Strand	
Start	940	End	1317
Name	OJ990308_01.9819.C39.o2.tw	Method	TBLASTX:Wheat
Start	940	End	1227
GI	none	Score	209

Exons	940..1008, 941..1138, 1162..1227, 1173..1226		
Seq. No.	34414	Seq. ID	OJ990308_01.9819.C39
Gene No.	71241	Strand	
Start	940	End	1317
Name	OJ990308_01.9819.C39.o2.tm	Method	TBLASTX:Maize
Start	974	End	1317
GI	none	Score	139
Exons	974..1177, 976..999, 1013..1135, 1149..1277, 1150..1317		

Seq. No.	34415	Seq. ID	OJ990308_01.9819.C45
Gene No.	71242	Strand	
Start	3003	End	5382
Name	OJ990308_01.9819.C45.o2.tm	Method	TBLASTX:Maize
Start	3003	End	5382
GI	none	Score	60
Exons	3003..3173, 5019..5324, 5025..5054, 5029..5328, 5029..5328, 5100..5333, 5332..5382, 5333..5359		

Seq. No.	34415	Seq. ID	OJ990308_01.9819.C45
Gene No.	71242	Strand	
Start	3003	End	5382
Name	OJ990308_01.9819.C45.o1.tm	Method	TBLASTX:Maize
Start	3202	End	4896
GI	none	Score	53
Exons	3202..3249, 3264..3344, 3264..3557, 3276..3347, 3285..3569, 3303..3788, 3306..3791, 3334..3570, 3475..3570, 3522..4013, 3524..3733, 3534..3863, 3744..4235, 3745..3852, 3750..3917, 3922..4014, 3959..4048, 3966..4235, 3978..4283, 4123..4305, 4126..4296, 4137..4457, 4188..4679, 4192..4296, 4336..4479, 4342..4446, 4353..4499, 4353..4457, 4460..4675, 4558..4719, 4560..4895, 4560..4889, 4560..4679, 4564..4680, 4591..4680, 4634..4843, 4641..4895, 4644..4889, 4813..4896		

Seq. No.	34416	Seq. ID	OJ990218_01.9819.C4
Gene No.	71243	Strand	-
Start	218	End	582
Name	OJ990218_01.9819.C4.o1.gs	Method	GENSCAN
Start	218	End	582
GI	none	Score	.6
Exons	218..322, 327..390, 530..582		

Seq. No.	34417	Seq. ID	OJ990218_01.9819.C5
Gene No.	71244	Strand	+
Start	72	End	9889
Name	OJ990218_01.9819.C5.o1.gs	Method	GENSCAN
Start	72	End	9748
GI	none	Score	.87
Exons	72..77, 108..202, 518..597, 1015..1308, 1819..1980, 3576..3687, 4447..4535, 4614..4682, 4766..4895, 5319..5477, 5580..5940, 6156..6265, 6566..6722, 8149..8561, 8641..8833, 9197..9748		

Seq. No.	34417	Seq. ID	OJ990218_01.9819.C5
Gene No.	71244	Strand	+
Start	72	End	9889
Name	OJ990218_01.9819.C5.o1.gp	Method	AAT/GAP
Start	1157	End	3644

GI none Score 908
Exons 1157..1355, 1763..1980, 3576..3644

Seq. No. 34417 Seq. ID OJ990218_01.9819.C5
Gene No. 71244 Strand +
Start 72 End 9889
Name OJ990218_01.9819.C5.o1.np Method AAT/NAP
Start 1803 End 9889
GI 2341042 Score 928
Exons 1803..1973, 3572..3687, 4447..4559, 4614..4682, 4766..4895,
5580..5956, 6541..6722, 8149..8415, 9783..9889
GI Descrip. (AC000104) F19P19.26 [Arabidopsis thaliana]

Seq. No. 34417 Seq. ID OJ990218_01.9819.C5
Gene No. 71244 Strand +
Start 72 End 9889
Name OJ990218_01.9819.C5.o3.gp Method AAT/GAP
Start 5580 End 6221
GI 571673 Score 746
Exons 5580..5940, 6156..6221
GI Descrip. 2341042/gb|AAB70446| 2.0e-26 (AC000104) F19P19.26 [Arabidopsis
thaliana]

Seq. No. 34417 Seq. ID OJ990218_01.9819.C5
Gene No. 71244 Strand +
Start 72 End 9889
Name OJ990218_01.9819.C5.o4.gp Method AAT/GAP
Start 8442 End 8833
GI none Score 541
Exons 8442..8561, 8641..8833

Seq. No. 34417 Seq. ID OJ990218_01.9819.C5
Gene No. 71244 Strand +
Start 72 End 9889
Name OJ990218_01.9819.C5.o5.gp Method AAT/GAP
Start 8470 End 8833
GI none Score 487
Exons 8470..8561, 8641..8833

Seq. No. 34417 Seq. ID OJ990218_01.9819.C5
Gene No. 71244 Strand +
Start 72 End 9889
Name OJ990218_01.9819.C5.o6.gp Method AAT/GAP
Start 9737 End 9803
GI 32537_1.R1084 Score 104
Exons 9737..9803
GI Descrip. '2341042/gb|AAB70446| 1.0e-11 (AC000104) F19P19.26 [Arabidopsis
thaliana]'

Seq. No. 34417 Seq. ID OJ990218_01.9819.C5
Gene No. 71245 Strand -
Start 3705 End 4815
Name OJ990218_01.9819.C5.o2.tc Method TBLASTX:Cress
Start 3574 End 4797
GI none Score 122
Exons 3574..3714, 3575..3745, 4445..4534, 4446..4535, 4448..4537,
4450..4539, 4607..4681, 4759..4797

Seq. No.	34417	Seq. ID	OJ990218_01.9819.C5
Gene No.	71245	Strand	-
Start	3705	End	4815
Name	OJ990218_01.9819.C5.o2.gp	Method	AAT/GAP
Start	3705	End	4225
GI	39086_1.R1084	Score	1034
Exons	3705..4225		
GI Descrip.	'2341042/gb AAB70446 2.0e-26 (AC000104) F19P19.26 [Arabidopsis thaliana]'		

Seq. No.	34417	Seq. ID	OJ990218_01.9819.C5
Gene No.	71245	Strand	-
Start	3705	End	4815
Name	OJ990218_01.9819.C5.o2.tm	Method	TBLASTX:Maize
Start	4444	End	4815
GI	none	Score	81
Exons	4444..4512, 4445..4504, 4511..4537, 4597..4680, 4607..4681, 4759..4815, 4764..4814		

Seq. No.	34417	Seq. ID	OJ990218_01.9819.C5
Gene No.	71245	Strand	-
Start	3705	End	4815
Name	OJ990218_01.9819.C5.o2.ts	Method	TBLASTX:Soybean
Start	4472	End	4809
GI	none	Score	117
Exons	4472..4537, 4473..4535, 4474..4536, 4607..4681, 4612..4701, 4755..4805, 4759..4809, 4780..4809		

Seq. No.	34417	Seq. ID	OJ990218_01.9819.C5
Gene No.	71246	Strand	-
Start	4810	End	6625
Name	OJ990218_01.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	4810	End	5733
GI	none	Score	60
Exons	4810..4851, 4858..4896, 5305..5472, 5314..5481, 5561..5725, 5577..5729, 5578..5733		

Seq. No.	34417	Seq. ID	OJ990218_01.9819.C5
Gene No.	71246	Strand	-
Start	4810	End	6625
Name	OJ990218_01.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	5578	End	6625
GI	none	Score	234
Exons	5578..5772, 5584..5775, 5586..5795, 5776..5889, 5895..5951, 6554..6625		

Seq. No.	34417	Seq. ID	OJ990218_01.9819.C5
Gene No.	71246	Strand	-
Start	4810	End	6625
Name	OJ990218_01.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	5601	End	5857
GI	none	Score	75
Exons	5601..5657, 5602..5655, 5652..5774, 5656..5766, 5658..5810, 5659..5775, 5751..5852, 5776..5853, 5777..5854, 5783..5857		

Seq. No.	34418	Seq. ID	OJ990218_01.9819.C6
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Gene No.	71247	Strand	+
Start	1	End	962
Name	OJ990218_01.9819.C6.o1.gp	Method	AAT/GAP
Start	1	End	722
GI	32537_1.R1084	Score	1424
Exons	1..722		
GI Descrip.	'2341042/gb AAB70446 1.0e-11 (AC000104) F19P19.26 [Arabidopsis thaliana]'		

Seq. No.	34418	Seq. ID	OJ990218_01.9819.C6
Gene No.	71247	Strand	+
Start	1	End	962
Name	OJ990218_01.9819.C6.o1.gs	Method	GENSCAN
Start	67	End	962
GI	none	Score	.72
Exons	67..123, 489..962		

Seq. No.	34418	Seq. ID	OJ990218_01.9819.C6
Gene No.	71248	Strand	-
Start	898	End	1155
Name	OJ990218_01.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	1	End	1014
GI	none	Score	90
Exons	1..165, 1..162, 2..181, 3..182, 168..608, 170..628, 170..610, 609..680, 610..681, 611..682, 611..682, 645..872, 648..872, 695..877, 697..876, 935..970, 936..962, 973..1014		

Seq. No.	34418	Seq. ID	OJ990218_01.9819.C6
Gene No.	71248	Strand	-
Start	898	End	1155
Name	OJ990218_01.9819.C6.o2.gp	Method	AAT/GAP
Start	898	End	1155
GI	none	Score	470
Exons	898..1155		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71249	Strand	+
Start	2199	End	7867
Name	OJ990218_01.9819.C7.o1.gs	Method	GENSCAN
Start	2199	End	7814
GI	none	Score	.57
Exons	2199..2289, 2938..3161, 3269..3330, 4055..4276, 4576..4705, 5209..5534, 5704..5887, 6005..6246, 6769..6919, 7062..7143, 7486..7814		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71249	Strand	+
Start	2199	End	7867
Name	OJ990218_01.9819.C7.o1.np	Method	AAT/NAP
Start	2199	End	6234
GI	2341043	Score	1241
Exons	2199..2289, 2938..3161, 3269..3330, 4055..4276, 4576..4705, 5209..5534, 5746..5888, 6005..6234		
GI Descrip.	(AC000104) Strong similarity to Arabidopsis REV3C (gb X62461). [Arabidopsis thaliana]		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
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Gene No.	71249	Strand	+
Start	2199	End	7867
Name	OJ990218_01.9819.C7.o1.gp	Method	AAT/GAP
Start	4147	End	5309
GI	LIB3474-003-P1-K1-E1	Score	635
Exons	4147..4276, 4576..4705, 5209..5309		
GI Descrip.	'99733/pir S19701 1.0e-34 hypothetical protein Hlflk - Arabidopsis thaliana (fragment) >gi_16482_emb_CAA44318_ (X62461) Hlflk [Arabidopsis thaliana]'		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71249	Strand	+
Start	2199	End	7867
Name	OJ990218_01.9819.C7.o3.gp	Method	AAT/GAP
Start	7463	End	7867
GI	none	Score	690
Exons	7463..7867		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71250	Strand	+
Start	8590	End	10817
Name	OJ990218_01.9819.C7.o2.gs	Method	GENSCAN
Start	8590	End	10817
GI	none	Score	.46
Exons	8590..8696, 9057..9082, 10657..10817		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71251	Strand	+
Start	17956	End	20874
Name	OJ990218_01.9819.C7.o3.np	Method	AAT/NAP
Start	17956	End	20874
GI	6691716	Score	2641
Exons	17956..18840, 19037..19206, 19289..19391, 19468..19647, 19725..19912, 19986..20089, 20240..20352, 20426..20874		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71251	Strand	+
Start	17956	End	20874
Name	OJ990218_01.9819.C7.o4.gs	Method	GENSCAN
Start	17956	End	20859
GI	none	Score	.83
Exons	17956..18840, 18986..19206, 19289..19647, 19933..20175, 20233..20352, 20426..20859		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71252	Strand	+
Start	28110	End	31406
Name	OJ990218_01.9819.C7.o7.gp	Method	AAT/GAP
Start	28069	End	30251
GI	24005_1.R1084	Score	1144
Exons	28069..28211, 28320..28376, 28491..28556, 28953..29069, 29593..29670, 29747..29852, 29986..30032, 30222..30251		
GI Descrip.	'3892051/gb AAC78260.1 AAC78260 1.0e-73 (AC002330) predicted NADH dehydrogenase 24 kD subunit [Arabidopsis thaliana]'		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71252	Strand	+
Start	28110	End	31406
Name	OJ990218_01.9819.C7.o7.gs	Method	GENSCAN
Start	28110	End	31406
GI	none	Score	.78
Exons	28110..28376, 28491..28556, 28953..29069, 29593..29670, 29747..29852, 29986..30032, 30222..30299, 30734..30799, 30861..31001, 31335..31406		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71252	Strand	+
Start	28110	End	31406
Name	OJ990218_01.9819.C7.o5.np	Method	AAT/NAP
Start	28119	End	31042
GI	6647650	Score	780
Exons	28119..28184, 28488..28556, 28953..29069, 29593..29670, 29747..29852, 29986..30032, 30222..30299, 30734..30799, 30938..31042		

GI Descrip. NADH-UBIQUINONE OXIDOREDUCTASE 24 KD SUBUNIT PRECURSOR
gi|3892051|gb|AAC78260.1|AAC78260 (AC002330) predicted NADH
dehydrogenase 24 kD subunit [Arabidopsis thaliana]

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71252	Strand	+
Start	28110	End	31406
Name	OJ990218_01.9819.C7.o8.gp	Method	AAT/GAP
Start	30707	End	31318
GI	80578_1.R1084	Score	823
Exons	30707..30799, 30938..31318		
GI Descrip.	'3892051/gb AAC78260.1 AAC78260 2.0e-15 (AC002330) predicted NADH dehydrogenase 24 kD subunit [Arabidopsis thaliana]'		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71253	Strand	+
Start	32262	End	37612
Name	OJ990218_01.9819.C7.o6.np	Method	AAT/NAP
Start	32151	End	37379
GI	5932552	Score	1257
Exons	32151..32435, 32528..32728, 32819..32976, 33016..33072, 33304..33376, 33495..33551, 34055..34134, 34222..34284, 34514..34601, 34855..34992, 35132..35205, 35526..35590, 35769..35932, 36015..36082, 36173..36233, 36798..36877, 36990..37379		

GI Descrip. (AC009465) unknown protein [Arabidopsis thaliana]

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71253	Strand	+
Start	32262	End	37612
Name	OJ990218_01.9819.C7.o8.gs	Method	GENSCAN
Start	32262	End	37612
GI	none	Score	.77
Exons	32262..32432, 32528..32789, 33466..33551, 34055..34134, 34222..34284, 34514..34601, 34891..34992, 35132..35156, 35769..35932, 36565..36602, 36809..36877, 36990..37165, 37259..37311, 37583..37612		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71253	Strand	+
Start	32262	End	37612
Name	OJ990218_01.9819.C7.o9.gp	Method	AAT/GAP
Start	35822	End	37107
GI	uC-osflM202046a07b1	Score	793
Exons	35822..35932, 36015..36082, 36173..36233, 36565..36602, 36809..36877, 36990..37107		
GI Descrip.	'5932552/gb AAD57007.1 AC009465_21 4.0e-30 (AC009465) unknown protein [Arabidopsis thaliana]'		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415
Name	OJ990218_01.9819.C7.o2.np	Method	AAT/NAP
Start	2117	End	23152
GI	2429362	Score	135
Exons	2117..2234, 6011..6253, 7572..7715, 14731..15080, 18423..18528, 23113..23152		
GI Descrip.	(AF020261) proline rich protein [Santalum album]		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415
Name	OJ990218_01.9819.C7.o5.ts	Method	TBLASTX:Soybean
Start	2226	End	3164
GI	none	Score	73
Exons	2226..2297, 2931..3071, 3051..3164		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415
Name	OJ990218_01.9819.C7.o8.tm	Method	TBLASTX:Maize
Start	2961	End	4142
GI	none	Score	273
Exons	2961..3164, 2964..3161, 2969..3175, 3035..3163, 3289..3333, 3290..3331, 3290..3334, 3291..3338, 4052..4141, 4053..4142		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415
Name	OJ990218_01.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	4577	End	6124
GI	none	Score	148
Exons	4577..4720, 4579..4707, 5196..5408, 5208..5366, 5209..5409, 5398..5454, 5449..5541, 5466..5540, 5741..5878, 5741..5863, 5743..5877, 5987..6124		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415
Name	OJ990218_01.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	4649	End	6046
GI	none	Score	89
Exons	4649..4720, 4654..4707, 5196..5429, 5196..5414, 5209..5451, 5209..5430, 5425..5541, 5457..5540, 5741..5890, 5741..5872,		

5749..5892, 5761..5892, 6002..6046

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415
Name	OJ990218_01.9819.C7.o2.gp	Method	AAT/GAP
Start	6190	End	6592
GI	none	Score	770
Exons	6190..6592		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415
Name	OJ990218_01.9819.C7.o4.gp	Method	AAT/GAP
Start	7767	End	8180
GI	none	Score	721
Exons	7767..8180		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415
Name	OJ990218_01.9819.C7.o3.gs	Method	GENSCAN
Start	14172	End	16406
GI	none	Score	.47
Exons	14172..14305, 14479..14713, 14819..14834, 14860..15032, 15914..16180, 16395..16406		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415
Name	OJ990218_01.9819.C7.o6.gp	Method	AAT/GAP
Start	14679	End	15076
GI	LIB3475-006-P1-K1-D9	Score	563
Exons	14679..15076		
GI Descrip.	'5923669/gb AAD56320.1 AC009326_7 2.0e-09 (AC009326) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415
Name	OJ990218_01.9819.C7.o5.gp	Method	AAT/GAP
Start	14691	End	15076
GI	LIB3475-006-P1-K1-D9	Score	562
Exons	14691..15076		
GI Descrip.	'5923669/gb AAD56320.1 AC009326_7 2.0e-09 (AC009326) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415
Name	OJ990218_01.9819.C7.o8.tw	Method	TBLASTX:Wheat
Start	18076	End	18366
GI	none	Score	204
Exons	18076..18366		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-

Start 2117
 Name OJ990218_01.9819.C7.o5.gs
 Start 21205
 GI none
 Exons 21205..21564

End 28415
 Method GENSCAN
 End 21564
 Score .94

Seq. No. 34419
 Gene No. 71254
 Start 2117
 Name OJ990218_01.9819.C7.o9.tw
 Start 21217
 GI none
 Exons 21217..21354, 21340..21555, 21578..21685, 21609..21677

Seq. ID OJ990218_01.9819.C7
 Strand -
 End 28415
 Method TBLASTX:Wheat
 End 21685
 Score 58

Seq. No. 34419
 Gene No. 71254
 Start 2117
 Name OJ990218_01.9819.C7.o4.np
 Start 21241
 GI 5922631
 Exons 21241..23633, 24240..25166, 25293..25452, 25495..26064, 26110..26312, 26549..26794, 27051..27175

Seq. ID OJ990218_01.9819.C7
 Strand -
 End 28415
 Method AAT/NAP
 End 27175
 Score 6285

GI Descrip. (AP000492) ESTs C26347(C12145), AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145), AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ

Seq. No. 34419
 Gene No. 71254
 Start 2117
 Name OJ990218_01.9819.C7.o10.tm
 Start 21256
 GI none
 Exons 21256..21357, 21257..21358, 21337..21510, 21338..21397

Seq. ID OJ990218_01.9819.C7
 Strand -
 End 28415
 Method TBLASTX:Maize
 End 21510
 Score 97

Seq. No. 34419
 Gene No. 71254
 Start 2117
 Name OJ990218_01.9819.C7.o3.tw
 Start 21813
 GI none
 Exons 21813..22199, 21814..21858, 21889..22200, 28323..28415

Seq. ID OJ990218_01.9819.C7
 Strand -
 End 28415
 Method TBLASTX:Wheat
 End 28415
 Score 54

Seq. No. 34419
 Gene No. 71254
 Start 2117
 Name OJ990218_01.9819.C7.o2.tm
 Start 21843
 GI none
 Exons 21843..21890, 21880..22185, 21882..22199

Seq. ID OJ990218_01.9819.C7
 Strand -
 End 28415
 Method TBLASTX:Maize
 End 22199
 Score 223

Seq. No. 34419
 Gene No. 71254
 Start 2117

Seq. ID OJ990218_01.9819.C7
 Strand -
 End 28415

Name	OJ990218_01.9819.C7.o4.tw	Method	TBLASTX:Wheat
Start	22517	End	22939
GI	none	Score	212
Exons	22517..22939, 22593..22937		
Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415
Name	OJ990218_01.9819.C7.o4.ts	Method	TBLASTX:Soybean
Start	22560	End	22948
GI	none	Score	101
Exons	22560..22808, 22562..22804, 22844..22948, 22845..22940		
Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415
Name	OJ990218_01.9819.C7.o7.tw	Method	TBLASTX:Wheat
Start	23005	End	23226
GI	none	Score	127
Exons	23005..23226, 23027..23224		
Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415
Name	OJ990218_01.9819.C7.o5.tm	Method	TBLASTX:Maize
Start	23062	End	23506
GI	none	Score	77
Exons	23062..23088, 23086..23229, 23099..23230, 23245..23463, 23251..23505, 23252..23506		
Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415
Name	OJ990218_01.9819.C7.o2.ts	Method	TBLASTX:Soybean
Start	23173	End	23604
GI	none	Score	55
Exons	23173..23604, 23207..23377, 23260..23541, 23399..23557		
Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415
Name	OJ990218_01.9819.C7.o2.tw	Method	TBLASTX:Wheat
Start	23228	End	23652
GI	none	Score	258
Exons	23228..23608, 23233..23652		
Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415
Name	OJ990218_01.9819.C7.o3.tm	Method	TBLASTX:Maize
Start	23737	End	24094
GI	none	Score	211
Exons	23737..24093, 23747..24094		
Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71254	Strand	-
Start	2117	End	28415

Name OJ990218_01.9819.C7.o1.tw
 Start 23767
 GI none
 Exons 23767..24222, 23768..24223

Method TBLASTX:Wheat
 End 24223
 Score 277

Seq. No. 34419
 Gene No. 71254
 Start 2117
 Name OJ990218_01.9819.C7.o6.ts
 Start 23818
 GI none
 Exons 23818..23952, 23959..24183

Seq. ID OJ990218_01.9819.C7
 Strand -
 End 28415
 Method TBLASTX:Soybean
 End 24183
 Score 131

Seq. No. 34419
 Gene No. 71254
 Start 2117
 Name OJ990218_01.9819.C7.o5.tw
 Start 24466
 GI none
 Exons 24466..24867, 24482..24724

Seq. ID OJ990218_01.9819.C7
 Strand -
 End 28415
 Method TBLASTX:Wheat
 End 24867
 Score 168

Seq. No. 34419
 Gene No. 71254
 Start 2117
 Name OJ990218_01.9819.C7.o6.tw
 Start 25480
 GI none
 Exons 25480..25881, 25574..25882

Seq. ID OJ990218_01.9819.C7
 Strand -
 End 28415
 Method TBLASTX:Wheat
 End 25882
 Score 149

Seq. No. 34419
 Gene No. 71255
 Start 28344
 Name OJ990218_01.9819.C7.o9.tm
 Start 28344
 GI none
 Exons 28344..28391, 28347..28376,

Seq. ID OJ990218_01.9819.C7
 Strand -
 End 31163
 Method TBLASTX:Maize
 End 31163
 Score 48

28491..28559, 28493..28558,
 28950..29075, 28950..29069, 29574..29672, 29593..29697,
 29593..29703, 29746..29850, 29747..29851, 29985..30032,
 29985..30032, 29986..30033, 29986..30033, 29987..30034,
 30170..30301, 30222..30299, 30728..30799, 30730..30798,
 30937..31053, 30938..31054, 30938..31054, 30945..31061,
 31101..31163, 31129..31161

Seq. No. 34419
 Gene No. 71255
 Start 28344
 Name OJ990218_01.9819.C7.o1.tc
 Start 28347
 GI none
 Exons 28347..28391, 28491..28577,

Seq. ID OJ990218_01.9819.C7
 Strand -
 End 31163
 Method TBLASTX:Cress
 End 29820
 Score 39

28493..28558, 28950..29075,
 28950..29066, 28952..29071, 29593..29697, 29595..29672,
 29743..29820, 29747..29815

Seq. No. 34419
 Gene No. 71255
 Start 28344
 Name OJ990218_01.9819.C7.o3.ts

Seq. ID OJ990218_01.9819.C7
 Strand -
 End 31163
 Method TBLASTX:Soybean

Start	28347	End	31045
GI	none	Score	48
Exons	28347..28391, 28491..28559, 28493..28558, 28943..29068, 28950..29075, 28952..29071, 29593..29697, 29595..29672, 29746..29847, 29747..29851, 29984..30031, 29985..30032, 29999..30034, 30206..30295, 30222..30308, 30222..30308, 30733..30798, 30734..30799, 30940..31041, 30941..31045		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71256	Strand	
Start	32264	End	32914
Name	OJ990218_01.9819.C7.o7.tm	Method	TBLASTX:Maize
Start	32264	End	32649
GI	none	Score	187
Exons	32264..32392, 32265..32423, 32487..32642, 32531..32647, 32581..32649		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71256	Strand	
Start	32264	End	32914
Name	OJ990218_01.9819.C7.o2.tc	Method	TBLASTX:Cress
Start	32277	End	32695
GI	none	Score	181
Exons	32277..32441, 32285..32431, 32531..32695		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71256	Strand	
Start	32264	End	32914
Name	OJ990218_01.9819.C7.o7.ts	Method	TBLASTX:Soybean
Start	32285	End	32914
GI	none	Score	83
Exons	32285..32350, 32286..32348, 32376..32432, 32579..32725, 32822..32914		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71257	Strand	
Start	34216	End	35915
Name	OJ990218_01.9819.C7.o4.tm	Method	TBLASTX:Maize
Start	34216	End	35915
GI	none	Score	92
Exons	34216..34284, 34220..34285, 34508..34600, 34512..34601, 34679..34798, 34693..34797, 34694..34798, 34695..34811, 34888..34995, 34888..34983, 34893..34994, 34896..35003, 35105..35209, 35132..35209, 35523..35591, 35526..35591, 35527..35592, 35767..35907, 35768..35908, 35769..35915, 35770..35913		

Seq. No.	34419	Seq. ID	OJ990218_01.9819.C7
Gene No.	71258	Strand	
Start	36804	End	37332
Name	OJ990218_01.9819.C7.o6.tm	Method	TBLASTX:Maize
Start	36804	End	37332
GI	none	Score	124
Exons	36804..36893, 36806..36916, 36979..37071, 36980..37072, 36989..37072, 36990..37076, 36991..37083, 37186..37332, 37186..37308, 37188..37313		

Seq. No.	34420	Seq. ID	OJ990218_01.9819.C8
Gene No.	71259	Strand	+
Start	1	End	741
Name	OJ990218_01.9819.C8.o1.np	Method	AAT/NAP
Start	1	End	741
GI	5902445	Score	604
Exons	1..741		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	34420	Seq. ID	OJ990218_01.9819.C8
Gene No.	71259	Strand	+
Start	1	End	741
Name	OJ990218_01.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	55	End	440
GI	none	Score	100
Exons	55..147, 56..145, 144..440, 236..406		

Seq. No.	34420	Seq. ID	OJ990218_01.9819.C8
Gene No.	71259	Strand	+
Start	1	End	741
Name	OJ990218_01.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	149	End	485
GI	none	Score	223
Exons	149..361, 150..362, 150..368, 383..466, 384..485		

Seq. No.	34420	Seq. ID	OJ990218_01.9819.C8
Gene No.	71259	Strand	+
Start	1	End	741
Name	OJ990218_01.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	206	End	488
GI	none	Score	277
Exons	206..484, 210..488		

Seq. No.	34421	Seq. ID	OJ990218_01.9819.C15
Gene No.	71260	Strand	-
Start	1512	End	1583
Name	OJ990218_01.9819.C15.o1.gs	Method	GENSCAN
Start	1512	End	1583
GI	none	Score	.89
Exons	1512..1583		

Seq. No.	34422	Seq. ID	OJ990218_01.9819.C17
Gene No.	71261	Strand	+
Start	86	End	461
Name	OJ990218_01.9819.C17.o1.gp	Method	AAT/GAP
Start	86	End	461
GI	2428449	Score	692
Exons	86..461		
GI Descrip.	4388818/gb AAD19773 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]		

Seq. No.	34422	Seq. ID	OJ990218_01.9819.C17
Gene No.	71262	Strand	-
Start	110	End	444
Name	OJ990218_01.9819.C17.o1.gs	Method	GENSCAN
Start	110	End	444

GI	none	Score	.72
Exons	110..256, 262..444		
Seq. No.	34423	Seq. ID	OJ990218_01.9819.C18
Gene No.	71263	Strand	
Start	695	End	880
Name	OJ990218_01.9819.C18.o1.tw	Method	TBLASTX:Wheat
Start	695	End	880
GI	none	Score	260
Exons	695..880, 705..869		

Seq. No.	34424	Seq. ID	OJ990218_01.9819.C22
Gene No.	71264	Strand	+
Start	1	End	3658
Name	OJ990218_01.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	3658
GI	6623973	Score	2421
Exons	1..436, 467..3658		
GI Descrip.	(AC007505) Highly similar to Tal-3 polyprotein [Arabidopsis thaliana]		

Seq. No.	34424	Seq. ID	OJ990218_01.9819.C22
Gene No.	71264	Strand	+
Start	1	End	3658
Name	OJ990218_01.9819.C22.o1.gs	Method	GENSCAN
Start	176	End	3386
GI	none	Score	.56
Exons	176..826, 1172..1499, 1617..3386		

Seq. No.	34424	Seq. ID	OJ990218_01.9819.C22
Gene No.	71264	Strand	+
Start	1	End	3658
Name	OJ990218_01.9819.C22.o1.gp	Method	AAT/GAP
Start	967	End	1402
GI	2428449	Score	813
Exons	967..1402		
GI Descrip.	4388818/gb AAD19773 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]		

Seq. No.	34424	Seq. ID	OJ990218_01.9819.C22
Gene No.	71264	Strand	+
Start	1	End	3658
Name	OJ990218_01.9819.C22.o3.tw	Method	TBLASTX:Wheat
Start	1177	End	1726
GI	none	Score	289
Exons	1177..1539, 1181..1579, 1579..1659, 1676..1726		

Seq. No.	34424	Seq. ID	OJ990218_01.9819.C22
Gene No.	71264	Strand	+
Start	1	End	3658
Name	OJ990218_01.9819.C22.o4.tm	Method	TBLASTX:Maize
Start	1334	End	1738
GI	none	Score	288
Exons	1334..1657, 1336..1653, 1673..1738		

Seq. No.	34424	Seq. ID	OJ990218_01.9819.C22
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Gene No.	71264	Strand	+
Start	1	End	3658
Name	OJ990218_01.9819.C22.o2.ts	Method	TBLASTX:Soybean
Start	1349	End	1801
GI	none	Score	275
Exons	1349..1678, 1358..1603, 1378..1608, 1664..1801		

Seq. No.	34424	Seq. ID	OJ990218_01.9819.C22
Gene No.	71264	Strand	+
Start	1	End	3658
Name	OJ990218_01.9819.C22.o1.tc	Method	TBLASTX:Cress
Start	1367	End	1834
GI	none	Score	160
Exons	1367..1660, 1676..1834		

Seq. No.	34424	Seq. ID	OJ990218_01.9819.C22
Gene No.	71264	Strand	+
Start	1	End	3658
Name	OJ990218_01.9819.C22.o1.tw	Method	TBLASTX:Wheat
Start	2014	End	2451
GI	none	Score	615
Exons	2014..2394, 2015..2449, 2015..2449, 2037..2450, 2311..2451		

Seq. No.	34424	Seq. ID	OJ990218_01.9819.C22
Gene No.	71264	Strand	+
Start	1	End	3658
Name	OJ990218_01.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	2141	End	2608
GI	5509260	Score	102
Exons	2141..2263, 2290..2367, 2291..2608, 2446..2586		
GI Descrip.	-		

Seq. No.	34424	Seq. ID	OJ990218_01.9819.C22
Gene No.	71264	Strand	+
Start	1	End	3658
Name	OJ990218_01.9819.C22.o2.tm	Method	TBLASTX:Maize
Start	2288	End	2719
GI	none	Score	333
Exons	2288..2389, 2291..2719, 2446..2586		

Seq. No.	34424	Seq. ID	OJ990218_01.9819.C22
Gene No.	71264	Strand	+
Start	1	End	3658
Name	OJ990218_01.9819.C22.o2.tc	Method	TBLASTX:Cress
Start	2291	End	2497
GI	none	Score	204
Exons	2291..2497, 2294..2497		

Seq. No.	34424	Seq. ID	OJ990218_01.9819.C22
Gene No.	71264	Strand	+
Start	1	End	3658
Name	OJ990218_01.9819.C22.o2.gp	Method	AAT/GAP
Start	2450	End	2692
GI	1621494	Score	430
Exons	2450..2692		
GI Descrip.	1621495/dbj BAA12903 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]		

Seq. No.	34424	Seq. ID	OJ990218_01.9819.C22
Gene No.	71264	Strand	+
Start	1	End	3658
Name	OJ990218_01.9819.C22.o2.tw	Method	TBLASTX:Wheat
Start	2453	End	3073
GI	none	Score	154
Exons	2453..2602, 2639..3073, 2695..2829, 2890..3042		

Seq. No.	34424	Seq. ID	OJ990218_01.9819.C22
Gene No.	71264	Strand	+
Start	1	End	3658
Name	OJ990218_01.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	2722	End	3265
GI	none	Score	128
Exons	2722..2814, 2723..2884, 2744..2833, 2850..2936, 2857..3168, 2858..3163, 2917..3165, 3203..3265, 3205..3264		

Seq. No.	34424	Seq. ID	OJ990218_01.9819.C22
Gene No.	71264	Strand	+
Start	1	End	3658
Name	OJ990218_01.9819.C22.o4.tw	Method	TBLASTX:Wheat
Start	3187	End	3508
GI	none	Score	170
Exons	3187..3378, 3200..3403, 3421..3498, 3422..3508		

Seq. No.	34424	Seq. ID	OJ990218_01.9819.C22
Gene No.	71264	Strand	+
Start	1	End	3658
Name	OJ990218_01.9819.C22.o3.ts	Method	TBLASTX:Soybean
Start	3248	End	3508
GI	none	Score	267
Exons	3248..3508, 3250..3507		

Seq. No.	34424	Seq. ID	OJ990218_01.9819.C22
Gene No.	71264	Strand	+
Start	1	End	3658
Name	OJ990218_01.9819.C22.o3.tm	Method	TBLASTX:Maize
Start	3265	End	3508
GI	none	Score	306
Exons	3265..3501, 3266..3508		

Seq. No.	34425	Seq. ID	OJ990218_01.9819.C23
Gene No.	71265	Strand	-
Start	679	End	2444
Name	OJ990218_01.9819.C23.o1.gs	Method	GENSCAN
Start	679	End	2444
GI	none	Score	.4
Exons	679..839, 2338..2444		

Seq. No.	34426	Seq. ID	OJ990218_01.9819.C24
Gene No.	71266	Strand	-
Start	1	End	3355
Name	OJ990218_01.9819.C24.o1.np	Method	AAT/NAP
Start	1	End	1750
GI	6539588	Score	226
Exons	1..50, 723..1008, 1724..1750		

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No.	34426	Seq. ID	OJ990218_01.9819.C24
Gene No.	71266	Strand	-
Start	1	End	3355
Name	OJ990218_01.9819.C24.o1.gs	Method	GENSCAN
Start	719	End	3355
GI	none	Score	.73
Exons	719..1008, 2171..2206, 2501..2587, 2856..2877, 3197..3355		

Seq. No.	34426	Seq. ID	OJ990218_01.9819.C24
Gene No.	71267	Strand	-
Start	6485	End	7251
Name	OJ990218_01.9819.C24.o2.gs	Method	GENSCAN
Start	6485	End	7251
GI	none	Score	.91
Exons	6485..6651, 7188..7251		

Seq. No.	34427	Seq. ID	OJ990218_01.9819.C26
Gene No.	71268	Strand	+
Start	1	End	1811
Name	OJ990218_01.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	1811
GI	2160175	Score	592
Exons	1..143, 1110..1344, 1432..1572, 1654..1811		
GI Descrip.	(AC000132) Strong similarity to Dianthus cysteine proteinase (gb U17135). [Arabidopsis thaliana]		

Seq. No.	34427	Seq. ID	OJ990218_01.9819.C26
Gene No.	71268	Strand	+
Start	1	End	1811
Name	OJ990218_01.9819.C26.o1.tc	Method	TBLASTX:Cress
Start	1111	End	1809
GI	none	Score	339
Exons	1111..1362, 1113..1178, 1117..1341, 1263..1361, 1441..1569, 1443..1529, 1453..1566, 1675..1809		

Seq. No.	34427	Seq. ID	OJ990218_01.9819.C26
Gene No.	71268	Strand	+
Start	1	End	1811
Name	OJ990218_01.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	1111	End	1809
GI	none	Score	320
Exons	1111..1362, 1143..1367, 1263..1361, 1441..1569, 1443..1562, 1453..1566, 1454..1573, 1674..1775, 1675..1809, 1675..1809		

Seq. No.	34427	Seq. ID	OJ990218_01.9819.C26
Gene No.	71268	Strand	+
Start	1	End	1811
Name	OJ990218_01.9819.C26.o1.tw	Method	TBLASTX:Wheat
Start	1111	End	1305
GI	none	Score	262
Exons	1111..1305		

Seq. No.	34427	Seq. ID	OJ990218_01.9819.C26
Gene No.	71268	Strand	+
Start	1	End	1811

Name	OJ990218_01.9819.C26.o1.ts	Method	TBLASTX:Soybean
Start	1111	End	1809
GI	none	Score	315
Exons	1111..1380, 1113..1178, 1117..1392, 1441..1566, 1443..1565, 1669..1809, 1674..1775		

Seq. No.	34427	Seq. ID	OJ990218_01.9819.C26
Gene No.	71268	Strand	+
Start	1	End	1811
Name	OJ990218_01.9819.C26.o1.gs	Method	GENSCAN
Start	1141	End	1744
GI	none	Score	.96
Exons	1141..1344, 1432..1572, 1675..1744		

Seq. No.	34428	Seq. ID	OJ990218_01.9819.C27
Gene No.	71269	Strand	+
Start	1	End	2134
Name	OJ990218_01.9819.C27.o1.np	Method	AAT/NAP
Start	1	End	348
GI	2160175	Score	364
Exons	1..348		

GI Descrip. (AC000132) Strong similarity to Dianthus cysteine proteinase (gb|U17135) [Arabidopsis thaliana]

Seq. No.	34428	Seq. ID	OJ990218_01.9819.C27
Gene No.	71269	Strand	+
Start	1	End	2134
Name	OJ990218_01.9819.C27.o1.gs	Method	GENSCAN
Start	146	End	2134
GI	none	Score	.72
Exons	146..342, 754..917, 2016..2134		

Seq. No.	34428	Seq. ID	OJ990218_01.9819.C27
Gene No.	71269	Strand	+
Start	1	End	2134
Name	OJ990218_01.9819.C27.o1.gp	Method	AAT/GAP
Start	297	End	1164
GI	none	Score	1036
Exons	297..342, 570..699, 784..1164		

Seq. No.	34428	Seq. ID	OJ990218_01.9819.C27
Gene No.	71270	Strand	+
Start	2405	End	6571
Name	OJ990218_01.9819.C27.o2.gs	Method	GENSCAN
Start	2405	End	6571
GI	none	Score	.73
Exons	2405..2596, 3974..4192, 4682..4875, 5080..5416, 5504..5848, 5920..6135, 6275..6571		

Seq. No.	34428	Seq. ID	OJ990218_01.9819.C27
Gene No.	71270	Strand	+
Start	2405	End	6571
Name	OJ990218_01.9819.C27.o2.np	Method	AAT/NAP
Start	3970	End	5771
GI	5903093	Score	328
Exons	3970..4189, 4682..4946, 5734..5771		
GI Descrip.	(AC008017) Similar to jacalin [Arabidopsis thaliana]		

Seq. No.	34428	Seq. ID	OJ990218_01.9819.C27
Gene No.	71270	Strand	+
Start	2405	End	6571
Name	OJ990218_01.9819.C27.o3.np	Method	AAT/NAP
Start	5195	End	5809
GI	5903093	Score	298
Exons	5195..5397, 5485..5809		
GI Descrip.	(AC008017) Similar to jacalin [Arabidopsis thaliana]		

Seq. No.	34428	Seq. ID	OJ990218_01.9819.C27
Gene No.	71271	Strand	+
Start	7892	End	9821
Name	OJ990218_01.9819.C27.o2.gp	Method	AAT/GAP
Start	7760	End	9821
GI	20409_1.R1084	Score	1621
Exons	7760..7999, 9107..9229, 9340..9821		
GI Descrip.	'2995380/emb CAA05081 3.0e-47 (AJ001903) thioredoxin H [Triticum durum]'		

Seq. No.	34428	Seq. ID	OJ990218_01.9819.C27
Gene No.	71271	Strand	+
Start	7892	End	9821
Name	OJ990218_01.9819.C27.o4.np	Method	AAT/NAP
Start	7865	End	9471
GI	2995380	Score	426
Exons	7865..7999, 9107..9229, 9340..9471		
GI Descrip.	(AJ001903) thioredoxin H [Triticum durum]		

Seq. No.	34428	Seq. ID	OJ990218_01.9819.C27
Gene No.	71271	Strand	+
Start	7892	End	9821
Name	OJ990218_01.9819.C27.o4.gs	Method	GENSCAN
Start	7892	End	9474
GI	none	Score	.98
Exons	7892..7999, 9107..9229, 9340..9474		

Seq. No.	34428	Seq. ID	OJ990218_01.9819.C27
Gene No.	71272	Strand	+
Start	10444	End	10743
Name	OJ990218_01.9819.C27.o5.gs	Method	GENSCAN
Start	10444	End	10743
GI	none	Score	.91
Exons	10444..10743		

Seq. No.	34428	Seq. ID	OJ990218_01.9819.C27
Gene No.	71273	Strand	-
Start	7196	End	7465
Name	OJ990218_01.9819.C27.o3.tc	Method	TBLASTX:Cress
Start	157	End	360
GI	none	Score	197
Exons	157..360, 229..321		

Seq. No.	34428	Seq. ID	OJ990218_01.9819.C27
Gene No.	71273	Strand	-
Start	7196	End	7465
Name	OJ990218_01.9819.C27.o2.ts	Method	TBLASTX:Soybean

Start 178
GI none
Exons 178..321

End 321
Score 217

Seq. No. 34428
Gene No. 71273
Start 7196
Name OJ990218_01.9819.C27.o3.tw
Start 181
GI none
Exons 181..348, 196..318

Seq. ID OJ990218_01.9819.C27
Strand -
End 7465
Method TBLASTX:Wheat
End 348
Score 178

Seq. No. 34428
Gene No. 71273
Start 7196
Name OJ990218_01.9819.C27.o2.tm
Start 200
GI none
Exons 200..319, 202..342, 206..343, 211..342, 575..673, 576..680, 580..684

Seq. ID OJ990218_01.9819.C27
Strand -
End 7465
Method TBLASTX:Maize
End 684
Score 267

Seq. No. 34428
Gene No. 71273
Start 7196
Name OJ990218_01.9819.C27.o1.tm
Start 3988
GI none
Exons 3988..4173, 3992..4174, 4679..4738, 4727..4831, 5225..5419, 5233..5415, 5482..5676, 5483..5674, 5503..5676, 6007..6126, 6272..6442

Seq. ID OJ990218_01.9819.C27
Strand -
End 7465
Method TBLASTX:Maize
End 6442
Score 139

Seq. No. 34428
Gene No. 71273
Start 7196
Name OJ990218_01.9819.C27.o1.ts
Start 3994
GI none
Exons 3994..4155, 4009..4173, 4010..4174, 4679..4738, 4751..4846, 5228..5425, 5239..5421, 5501..5659, 6007..6120, 6012..6119, 6272..6430

Seq. ID OJ990218_01.9819.C27
Strand -
End 7465
Method TBLASTX:Soybean
End 6430
Score 101

Seq. No. 34428
Gene No. 71273
Start 7196
Name OJ990218_01.9819.C27.o2.tc
Start 3997
GI none
Exons 3997..4152, 4001..4228, 5239..5370, 5240..5383, 6007..6105, 6009..6101

Seq. ID OJ990218_01.9819.C27
Strand -
End 7465
Method TBLASTX:Cress
End 6105
Score 213

Seq. No. 34428
Gene No. 71273
Start 7196
Name OJ990218_01.9819.C27.o1.tw
Start 4763
GI none
Exons 4763..4927, 5546..5752, 5578..5763, 6317..6511, 6358..6504

Seq. ID OJ990218_01.9819.C27
Strand -
End 7465
Method TBLASTX:Wheat
End 6511
Score 150

Seq. No.	34428	Seq. ID	OJ990218_01.9819.C27
Gene No.	71273	Strand	-
Start	7196	End	7465
Name	OJ990218_01.9819.C27.o3.gs	Method	GENSCAN
Start	7196	End	7465
GI	none	Score	.58
Exons	7196..7465		

Seq. No.	34428	Seq. ID	OJ990218_01.9819.C27
Gene No.	71274	Strand	
Start	7924	End	9511
Name	OJ990218_01.9819.C27.o3.tm	Method	TBLASTX:Maize
Start	7924	End	9473
GI	none	Score	124
Exons	7924..8001, 7925..8005, 9101..9229, 9107..9193, 9111..9230, 9322..9468, 9342..9473, 9342..9473		

Seq. No.	34428	Seq. ID	OJ990218_01.9819.C27
Gene No.	71274	Strand	
Start	7924	End	9511
Name	OJ990218_01.9819.C27.o2.tw	Method	TBLASTX:Wheat
Start	7925	End	9511
GI	none	Score	103
Exons	7925..8005, 7941..8000, 9101..9229, 9106..9228, 9315..9428, 9322..9510, 9337..9510, 9344..9511		

Seq. No.	34428	Seq. ID	OJ990218_01.9819.C27
Gene No.	71274	Strand	
Start	7924	End	9511
Name	OJ990218_01.9819.C27.o1.tc	Method	TBLASTX:Cress
Start	9106	End	9468
GI	none	Score	133
Exons	9106..9204, 9107..9193, 9307..9468, 9366..9467		

Seq. No.	34429	Seq. ID	OJ990218_01.9819.C28
Gene No.	71275	Strand	+
Start	578	End	2822
Name	OJ990218_01.9819.C28.o1.gs	Method	GENSCAN
Start	578	End	2822
GI	none	Score	.55
Exons	578..1592, 1629..1793, 2693..2822		

Seq. No.	34429	Seq. ID	OJ990218_01.9819.C28
Gene No.	71275	Strand	+
Start	578	End	2822
Name	OJ990218_01.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	1320	End	1751
GI	none	Score	85
Exons	1320..1436, 1539..1751		

Seq. No.	34429	Seq. ID	OJ990218_01.9819.C28
Gene No.	71275	Strand	+
Start	578	End	2822
Name	OJ990218_01.9819.C28.o1.np	Method	AAT/NAP
Start	1597	End	1818
GI	4680339	Score	82

Exons 1597..1818
GI Descrip. (AF128457) hypothetical protein [Oryza sativa subsp. indica]

Seq. No.	34430	Seq. ID	OJ990218_01.9819.C29
Gene No.	71276	Strand	+
Start	426	End	491
Name	OJ990218_01.9819.C29.o1.gs	Method	GENSCAN
Start	426	End	491
GI	none	Score	.88
Exons	426..491		

Seq. No.	34431	Seq. ID	OJ990218_01.9819.C30
Gene No.	71277	Strand	-
Start	1	End	217
Name	OJ990218_01.9819.C30.o1.np	Method	AAT/NAP
Start	1	End	217
GI	5902448	Score	217
Exons	1..217		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	34432	Seq. ID	OJ990218_01.9819.C31
Gene No.	71278	Strand	-
Start	1	End	975
Name	OJ990218_01.9819.C31.o2.np	Method	AAT/NAP
Start	1	End	975
GI	3192687	Score	196
Exons	1..153, 793..975		
GI Descrip.	(AF064539) gp4 [Bacteriophage N15]		

Seq. No.	34433	Seq. ID	OJ990218_01.9819.C32
Gene No.	71279	Strand	+
Start	351	End	530
Name	OJ990218_01.9819.C32.o1.gp	Method	AAT/GAP
Start	351	End	530
GI	none	Score	284
Exons	351..530		

Seq. No.	34433	Seq. ID	OJ990218_01.9819.C32
Gene No.	71280	Strand	-
Start	470	End	630
Name	OJ990218_01.9819.C32.o1.gs	Method	GENSCAN
Start	470	End	630
GI	none	Score	.56
Exons	470..630		

Seq. No.	34434	Seq. ID	OJ990218_01.9819.C34
Gene No.	71281	Strand	+
Start	1	End	546
Name	OJ990218_01.9819.C34.o1.np	Method	AAT/NAP
Start	1	End	537
GI	6630732	Score	123
Exons	1..56, 385..537		
GI Descrip.	(AL132958) putative protein [Arabidopsis thaliana]		

Seq. No.	34434	Seq. ID	OJ990218_01.9819.C34
Gene No.	71281	Strand	+
Start	1	End	546

Name	OJ990218_01.9819.C34.o1.tm	Method	TBLASTX:Maize
Start	382	End	546
GI	none	Score	70
Exons	382..438, 382..462, 383..490, 436..546, 438..545		
Seq. No.	34435	Seq. ID	OJ990218_01.9819.C36
Gene No.	71282	Strand	-
Start	1286	End	1709
Name	OJ990218_01.9819.C36.o1.gp	Method	AAT/GAP
Start	1286	End	1709
GI	LIB3477-003-P1-K1-E9	Score	100
Exons	1286..1354, 1677..1709		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	34436	Seq. ID	OJ990218_01.9819.C37
Gene No.	71283	Strand	-
Start	337	End	550
Name	OJ990218_01.9819.C37.o1.gs	Method	GENSCAN
Start	337	End	550
GI	none	Score	.46
Exons	337..550		
Seq. No.	34437	Seq. ID	OJ990218_01.9819.C38
Gene No.	71284	Strand	+
Start	1	End	751
Name	OJ990218_01.9819.C38.o1.np	Method	AAT/NAP
Start	1	End	751
GI	4415913	Score	104
Exons	1..52, 524..751		
GI Descrip.	(AC006282) unknown protein [Arabidopsis thaliana]		
Seq. No.	34437	Seq. ID	OJ990218_01.9819.C38
Gene No.	71284	Strand	+
Start	1	End	751
Name	OJ990218_01.9819.C38.o1.gs	Method	GENSCAN
Start	524	End	611
GI	none	Score	.96
Exons	524..611		
Seq. No.	34438	Seq. ID	OJ990218_01.9819.C41
Gene No.	71285	Strand	-
Start	277	End	367
Name	OJ990218_01.9819.C41.o1.gs	Method	GENSCAN
Start	277	End	367
GI	none	Score	.67
Exons	277..367		
Seq. No.	34439	Seq. ID	OJ990218_01.9819.C42
Gene No.	71286	Strand	-
Start	1095	End	1223
Name	OJ990218_01.9819.C42.o1.gs	Method	GENSCAN
Start	1095	End	1223
GI	none	Score	.96
Exons	1095..1223		

Seq. No. 34440
 Gene No. 71287
 Start 839
 Name OJ990218_01.9819.C44.o1.gs
 Start 839
 GI none
 Exons 839..967

Seq. ID OJ990218_01.9819.C44
 Strand -
 End 967
 Method GENSCAN
 End 967
 Score .45

Seq. No. 34441
 Gene No. 71288
 Start 1042
 Name OJ990218_01.9819.C46.o1.gs
 Start 1042
 GI none
 Exons 1042..1222

Seq. ID OJ990218_01.9819.C46
 Strand +
 End 1222
 Method GENSCAN
 End 1222
 Score .81

Seq. No. 34441
 Gene No. 71289
 Start 656
 Name OJ990218_01.9819.C46.o1.gp
 Start 656
 GI 20409.1.R1084
 Exons 656..747

Seq. ID OJ990218_01.9819.C46
 Strand -
 End 747
 Method AAT/GAP
 End 747
 Score 144

GI Descrip. '2995380/emb|CAA05081| 3.0e-47 (AJ001903) thioredoxin-H
 [Triticum durum]'

Seq. No. 34442
 Gene No. 71290
 Start 580
 Name OJ990218_01.9819.C48.o1.gs
 Start 580
 GI none
 Exons 580..760

Seq. ID OJ990218_01.9819.C48
 Strand -
 End 760
 Method GENSCAN
 End 760
 Score .83

Seq. No. 34443
 Gene No. 71291
 Start 140
 Name OJ990218_01.9819.C49.o1.gs
 Start 140
 GI none
 Exons 140..300

Seq. ID OJ990218_01.9819.C49
 Strand -
 End 300
 Method GENSCAN
 End 300
 Score .61

Seq. No. 34444
 Gene No. 71292
 Start 458
 Name OJ990218_01.9819.C50.o1.gs
 Start 458
 GI none
 Exons 458..662

Seq. ID OJ990218_01.9819.C50
 Strand -
 End 662
 Method GENSCAN
 End 662
 Score .97

Seq. No. 34445
 Gene No. 71293
 Start 1
 Name OJ990218_01.9819.C51.o1.np
 Start 1
 GI 5902445
 Exons 1..618

Seq. ID OJ990218_01.9819.C51
 Strand -
 End 646
 Method AAT/NAP
 End 618
 Score 483

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	34445	Seq. ID	OJ990218_01.9819.C51
Gene No.	71293	Strand	-
Start	1	End	646
Name	OJ990218_01.9819.C51.ol.tm	Method	TBLASTX:Maize
Start	343	End	544
GI	none	Score	128
Exons	343..543, 344..544		

Seq. No.	34445	Seq. ID	OJ990218_01.9819.C51
Gene No.	71293	Strand	-
Start	1	End	646
Name	OJ990218_01.9819.C51.ol.tw	Method	TBLASTX:Wheat
Start	347	End	646
GI	none	Score	139
Exons	347..505, 349..645, 349..645, 350..646		

Seq. No.	34445	Seq. ID	OJ990218_01.9819.C51
Gene No.	71293	Strand	-
Start	1	End	646
Name	OJ990218_01.9819.C51.ol.gs	Method	GENSCAN
Start	398	End	601
GI	none	Score	.53
Exons	398..601		

Seq. No.	34446	Seq. ID	OJ990218_01.9819.C54
Gene No.	71294	Strand	+
Start	134	End	415
Name	OJ990218_01.9819.C54.ol.gs	Method	GENSCAN
Start	134	End	415
GI	none	Score	.83
Exons	134..415		

Seq. No.	34446	Seq. ID	OJ990218_01.9819.C54
Gene No.	71295	Strand	-
Start	1	End	252
Name	OJ990218_01.9819.C54.ol.np	Method	AAT/NAP
Start	1	End	252
GI	4680183	Score	143
Exons	1..252		

GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No.	34447	Seq. ID	OJ990218_01.9819.C56
Gene No.	71296	Strand	+
Start	1	End	1362
Name	OJ990218_01.9819.C56.ol.np	Method	AAT/NAP
Start	1	End	1362
GI	130582	Score	548
Exons	1..30, 448..1362		

GI Descrip. RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94
[CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE]
gi|100342|pir||S04273 hypothetical protein - common tobacco
gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]

Seq. No.	34447	Seq. ID	OJ990218_01.9819.C56
Gene No.	71296	Strand	+

Start	1	End	1362
Name	OJ990218_01.9819.C56.ol.tc	Method	TBLASTX:Cress
Start	877	End	1353
GI	none	Score	78
Exons	877..981, 982..1128, 1144..1353		
Seq. No.	34447	Seq. ID	OJ990218_01.9819.C56
Gene No.	71296	Strand	+
Start	1	End	1362
Name	OJ990218_01.9819.C56.ol.tw	Method	TBLASTX:Wheat
Start	894	End	1329
GI	none	Score	170
Exons	894..1085, 907..1110, 1128..1313, 1129..1329		
Seq. No.	34447	Seq. ID	OJ990218_01.9819.C56
Gene No.	71296	Strand	+
Start	1	End	1362
Name	OJ990218_01.9819.C56.ol.tm	Method	TBLASTX:Maize
Start	931	End	1357
GI	none	Score	559
Exons	931..1353, 933..1355, 1259..1357		
Seq. No.	34447	Seq. ID	OJ990218_01.9819.C56
Gene No.	71296	Strand	+
Start	1	End	1362
Name	OJ990218_01.9819.C56.ol.ts	Method	TBLASTX:Soybean
Start	955	End	1353
GI	none	Score	309
Exons	955..1230, 957..1238, 1240..1353, 1254..1352		
Seq. No.	34448	Seq. ID	OJ990218_01.9819.C57
Gene No.	71297	Strand	+
Start	1	End	1942
Name	OJ990218_01.9819.C57.ol.np	Method	AAT/NAP
Start	1	End	1942
GI	5902444	Score	615
Exons	1..47, 633..1645, 1871..1942		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	34448	Seq. ID	OJ990218_01.9819.C57
Gene No.	71297	Strand	+
Start	1	End	1942
Name	OJ990218_01.9819.C57.ol.tw	Method	TBLASTX:Wheat
Start	1172	End	1486
GI	none	Score	279
Exons	1172..1486, 1228..1470		
Seq. No.	34448	Seq. ID	OJ990218_01.9819.C57
Gene No.	71297	Strand	+
Start	1	End	1942
Name	OJ990218_01.9819.C57.ol.gs	Method	GENSCAN
Start	1289	End	1645
GI	none	Score	.98
Exons	1289..1645		
Seq. No.	34448	Seq. ID	OJ990218_01.9819.C57
Gene No.	71297	Strand	+

Start	1	End	1942
Name	OJ990218_01.9819.C57.ol.tm	Method	TBLASTX:Maize
Start	1360	End	1537
GI	none	Score	187
Exons	1360..1485, 1361..1537, 1361..1492		

Seq. No.	34449	Seq. ID	OJ990218_01.9819.C58
Gene No.	71298	Strand	+
Start	392	End	841
Name	OJ990218_01.9819.C58.ol.gs	Method	GENSCAN
Start	392	End	841
GI	none	Score	.99
Exons	392..841		

Seq. No.	34450	Seq. ID	OJ990218_01.9819.C60
Gene No.	71299	Strand	-
Start	104	End	684
Name	OJ990218_01.9819.C60.ol.gs	Method	GENSCAN
Start	104	End	684
GI	none	Score	.43
Exons	104..282, 672..684		

Seq. No.	34451	Seq. ID	OJ990218_01.9819.C61
Gene No.	71300	Strand	+
Start	1	End	457
Name	OJ990218_01.9819.C61.ol.np	Method	AAT/NAP
Start	1	End	457
GI	1707018	Score	207
Exons	1..211, 379..457		
GI Descrip.	(U78721) putative related to microbial divalent cation tolerance proteins [Arabidopsis thaliana]		

Seq. No.	34451	Seq. ID	OJ990218_01.9819.C61
Gene No.	71300	Strand	+
Start	1	End	457
Name	OJ990218_01.9819.C61.ol.gs	Method	GENSCAN
Start	117	End	215
GI	none	Score	.68
Exons	117..215		

Seq. No.	34452	Seq. ID	OJ990218_01.9819.C62
Gene No.	71301	Strand	+
Start	1	End	457
Name	OJ990218_01.9819.C62.ol.np	Method	AAT/NAP
Start	1	End	310
GI	2160166	Score	208
Exons	1..310		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	34452	Seq. ID	OJ990218_01.9819.C62
Gene No.	71301	Strand	+
Start	1	End	457
Name	OJ990218_01.9819.C62.ol.gs	Method	GENSCAN
Start	86	End	457
GI	none	Score	.95
Exons	86..457		

Seq. No.	34452	Seq. ID	OJ990218_01.9819.C62
Gene No.	71301	Strand	+
Start	1	End	457
Name	OJ990218_01.9819.C62.ol.tc	Method	TBLASTX:Cress
Start	86	End	307
GI	none	Score	134
Exons	86..196, 121..195, 196..306, 197..307		

Seq. No.	34452	Seq. ID	OJ990218_01.9819.C62
Gene No.	71301	Strand	+
Start	1	End	457
Name	OJ990218_01.9819.C62.ol.tm	Method	TBLASTX:Maize
Start	86	End	337
GI	none	Score	164
Exons	86..196, 86..190, 94..195, 196..327, 197..337		

Seq. No.	34452	Seq. ID	OJ990218_01.9819.C62
Gene No.	71301	Strand	+
Start	1	End	457
Name	OJ990218_01.9819.C62.ol.ts	Method	TBLASTX:Soybean
Start	86	End	310
GI	none	Score	137
Exons	86..196, 93..197, 94..195, 196..309, 197..310		

Seq. No.	34452	Seq. ID	OJ990218_01.9819.C62
Gene No.	71301	Strand	+
Start	1	End	457
Name	OJ990218_01.9819.C62.ol.gp	Method	AAT/GAP
Start	240	End	318
GI	29634_1.R1084	Score	117
Exons	240..318		
GI Descrip.	'2160166 4.0e-35 (AC000132) No definition line found [Arabidopsis thaliana]'		

Seq. No.	34453	Seq. ID	OJ990218_01.9819.C64
Gene No.	71302	Strand	+
Start	194	End	309
Name	OJ990218_01.9819.C64.ol.gs	Method	GENSCAN
Start	194	End	309
GI	none	Score	.4
Exons	194..235, 241..309		

Seq. No.	34453	Seq. ID	OJ990218_01.9819.C64
Gene No.	71303	Strand	+
Start	461	End	690
Name	OJ990218_01.9819.C64.ol.gp	Method	AAT/GAP
Start	461	End	690
GI	32537_1.R1084	Score	423
Exons	461..690		
GI Descrip.	'2341042/gb AAB70446 1.0e-11 (AC000104) F19P19.26 [Arabidopsis thaliana]'		

Seq. No.	34453	Seq. ID	OJ990218_01.9819.C64
Gene No.	71304	Strand	-
Start	1	End	746
Name	OJ990218_01.9819.C64.ol.np	Method	AAT/NAP
Start	1	End	746

GI 5922631 Score 195
 Exons 1..232, 278..370, 686..746
 GI Descrip. (AP000492) ESTs C26347(C12145), AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa]
 gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145), AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ]

Seq. No. 34453 Seq. ID OJ990218_01.9819.C64
 Gene No. 71304 Strand -
 Start 1 End 746
 Name OJ990218_01.9819.C64.o1.tm Method TBLASTX:Maize
 Start 317 End 690
 GI none Score 167
 Exons 317..490, 326..538, 342..500, 501..572, 501..572, 502..573, 503..574, 578..688, 578..688, 583..690, 583..690

Seq. No. 34454 Seq. ID OJ990218_01.9819.C65
 Gene No. 71305 Strand -
 Start 140 End 599
 Name OJ990218_01.9819.C65.o1.gp Method AAT/GAP
 Start 87 End 491
 GI none Score 690
 Exons 87..491

Seq. No. 34454 Seq. ID OJ990218_01.9819.C65
 Gene No. 71305 Strand -
 Start 140 End 599
 Name OJ990218_01.9819.C65.o1.gs Method GENSCAN
 Start 140 End 599
 GI none Score .93
 Exons 140..599

Seq. No. 34454 Seq. ID OJ990218_01.9819.C65
 Gene No. 71305 Strand -
 Start 140 End 599
 Name OJ990218_01.9819.C65.o1.np Method AAT/NAP
 Start 143 End 565
 GI 1946362 Score 215
 Exons 143..565
 GI Descrip. (U93215) photosystem II reaction center 6.1KD protein [Arabidopsis thaliana]

Seq. No. 34455 Seq. ID OJ990218_01.9819.C67
 Gene No. 71306 Strand -
 Start 1 End 582
 Name OJ990218_01.9819.C67.o1.np Method AAT/NAP
 Start 1 End 582
 GI 2995380 Score 139
 Exons 1..66, 452..582
 GI Descrip. (AJ001903) thioredoxin H [Triticum durum]

Seq. No. 34455 Seq. ID OJ990218_01.9819.C67
 Gene No. 71306 Strand -
 Start 1 End 582

Name	OJ990218_01.9819.C67.o1.gp	Method	AAT/GAP
Start	452	End	582
GI	20409 1.R1084	Score	203
Exons	452..582		
GI Descrip.	'2995380/emb CAA05081 3.0e-47 (AJ001903) thioredoxin H [Triticum durum]'		

Seq. No.	34455	Seq. ID	OJ990218_01.9819.C67
Gene No.	71306	Strand	-
Start	1	End	582
Name	OJ990218_01.9819.C67.o1.gs	Method	GENSCAN
Start	460	End	582
GI	none	Score	.96
Exons	460..582		

Seq. No.	34456	Seq. ID	OJ990218_01.9819.C68
Gene No.	71307	Strand	-
Start	1	End	1232
Name	OJ990218_01.9819.C68.o1.np	Method	AAT/NAP
Start	1	End	1232
GI	2341042	Score	268
Exons	1..280, 364..432, 487..599, 1122..1232		
GI Descrip.	(AC000104) F19P19.26 [Arabidopsis thaliana]		

Seq. No.	34456	Seq. ID	OJ990218_01.9819.C68
Gene No.	71307	Strand	-
Start	1	End	1232
Name	OJ990218_01.9819.C68.o1.gp	Method	AAT/GAP
Start	147	End	641
GI	uC-osroM202041b06b1	Score	481
Exons	147..280, 364..432, 511..641		
GI Descrip.	'2341042/gb AAB70446 1.0e-42 (AC000104) F19P19.26 [Arabidopsis thaliana]'		

Seq. No.	34456	Seq. ID	OJ990218_01.9819.C68
Gene No.	71307	Strand	-
Start	1	End	1232
Name	OJ990218_01.9819.C68.o1.gs	Method	GENSCAN
Start	151	End	469
GI	none	Score	.9
Exons	151..280, 364..469		

Seq. No.	34456	Seq. ID	OJ990218_01.9819.C68
Gene No.	71307	Strand	-
Start	1	End	1232
Name	OJ990218_01.9819.C68.o1.ts	Method	TBLASTX:Soybean
Start	172	End	574
GI	none	Score	114
Exons	172..291, 195..287, 345..434, 365..439, 509..574, 510..572, 511..573		

Seq. No.	34456	Seq. ID	OJ990218_01.9819.C68
Gene No.	71307	Strand	-
Start	1	End	1232
Name	OJ990218_01.9819.C68.o1.tm	Method	TBLASTX:Maize
Start	231	End	601
GI	none	Score	87

Exons	231..287, 232..282, 365..439, 366..449, 509..535, 542..601		
Seq. No.	34456	Seq. ID	OJ990218_01.9819.C68
Gene No.	71307	Strand	-
Start	1	End	1232
Name	OJ990218_01.9819.C68.o1.tc	Method	TBLASTX:Cress
Start	247	End	622
GI	none	Score	55
Exons	247..282, 249..287, 365..439, 507..596, 509..598, 511..600, 512..622		

Seq. No.	34457	Seq. ID	OJ990218_01.9819.C69
Gene No.	71308	Strand	+
Start	1	End	1003
Name	OJ990218_01.9819.C69.o1.np	Method	AAT/NAP
Start	1	End	1003
GI	5902444	Score	515
Exons	1..616, 947..1003		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	34458	Seq. ID	OJ990218_01.9819.C70
Gene No.	71309	Strand	-
Start	1	End	656
Name	OJ990218_01.9819.C70.o1.np	Method	AAT/NAP
Start	1	End	656
GI	6647650	Score	118
Exons	1..75, 458..656		
GI Descrip.	NADH-UBIQUINONE OXIDOREDUCTASE 24 KD SUBUNIT PRECURSOR gi 3892051 gb AAC78260.1 AAC78260 (AC002330) predicted NADH dehydrogenase 24 kD subunit [Arabidopsis thaliana]		

Seq. No.	34458	Seq. ID	OJ990218_01.9819.C70
Gene No.	71309	Strand	-
Start	1	End	656
Name	OJ990218_01.9819.C70.o1.gs	Method	GENSCAN
Start	200	End	645
GI	none	Score	.66
Exons	200..302, 529..645		

Seq. No.	34458	Seq. ID	OJ990218_01.9819.C70
Gene No.	71309	Strand	-
Start	1	End	656
Name	OJ990218_01.9819.C70.o1.gp	Method	AAT/GAP
Start	218	End	647
GI	24005_1.R1084	Score	193
Exons	218..260, 529..647		
GI Descrip.	'3892051/gb AAC78260.1 AAC78260 1.0e-73 (AC002330) predicted NADH dehydrogenase 24 kD subunit [Arabidopsis thaliana]'		

Seq. No.	34458	Seq. ID	OJ990218_01.9819.C70
Gene No.	71309	Strand	-
Start	1	End	656
Name	OJ990218_01.9819.C70.o1.tc	Method	TBLASTX:Cress
Start	523	End	648
GI	none	Score	126
Exons	523..648, 527..646, 532..648		

Seq. No.	34458	Seq. ID	OJ990218_01.9819.C70
Gene No.	71309	Strand	-
Start	1	End	656
Name	OJ990218_01.9819.C70.o1.tm	Method	TBLASTX:Maize
Start	523	End	648
GI	none	Score	182
Exons	523..648, 529..648		

Seq. No.	34458	Seq. ID	OJ990218_01.9819.C70
Gene No.	71309	Strand	-
Start	1	End	656
Name	OJ990218_01.9819.C70.o1.ts	Method	TBLASTX:Soybean
Start	523	End	652
GI	none	Score	151
Exons	523..648, 527..646, 530..652		

Seq. No.	34459	Seq. ID	OJ990218_01.9819.C71
Gene No.	71310	Strand	+
Start	142	End	298
Name	OJ990218_01.9819.C71.o1.gs	Method	GENSCAN
Start	142	End	298
GI	none	Score	.43
Exons	142..298		

Seq. No.	34459	Seq. ID	OJ990218_01.9819.C71
Gene No.	71311	Strand	-
Start	118	End	367
Name	OJ990218_01.9819.C71.o1.gp	Method	AAT/GAP
Start	118	End	367
GI	none	Score	406
Exons	118..367		

Seq. No.	34460	Seq. ID	OJ990128_01.9819.C3
Gene No.	71312	Strand	+
Start	1	End	820
Name	OJ990128_01.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	820
GI	5852181	Score	114
Exons	1..24, 399..558, 780..820		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	34460	Seq. ID	OJ990128_01.9819.C3
Gene No.	71312	Strand	+
Start	1	End	820
Name	OJ990128_01.9819.C3.o1.gs	Method	GENSCAN
Start	125	End	775
GI	none	Score	.88
Exons	125..127, 215..277, 488..775		

Seq. No.	34461	Seq. ID	OJ990128_01.9819.C4
Gene No.	71313	Strand	+
Start	787	End	1131
Name	OJ990128_01.9819.C4.o1.gp	Method	AAT/GAP
Start	787	End	1131
GI	none	Score	665
Exons	787..1131		

Seq. No.	34461	Seq. ID	OJ990128_01.9819.C4
Gene No.	71314	Strand	+
Start	2067	End	4440
Name	OJ990128_01.9819.C4.o1.np	Method	AAT/NAP
Start	2067	End	4440
GI	6815109	Score	63
Exons	2067..2144, 3813..3900, 3990..4076, 4372..4440		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	34461	Seq. ID	OJ990128_01.9819.C4
Gene No.	71315	Strand	-
Start	667	End	3225
Name	OJ990128_01.9819.C4.o1.gs	Method	GENSCAN
Start	667	End	3225
GI	none	Score	.6
Exons	667..1156, 1944..2401, 2728..2831, 3138..3225		

Seq. No.	34461	Seq. ID	OJ990128_01.9819.C4
Gene No.	71315	Strand	-
Start	667	End	3225
Name	OJ990128_01.9819.C4.o2.gp	Method	AAT/GAP
Start	1131	End	1528
GI	LIB3474-011-P1-K1-D5	Score	145
Exons	1131..1223, 1510..1528		
GI Descrip.	'4836883/gb AAD30586.1 AC007260_17 2.0e-14 (AC007260) lcl_prt_seq No definition line found [Arabidopsis thaliana]'		

Seq. No.	34462	Seq. ID	OJ990128_01.9819.C5
Gene No.	71316	Strand	+
Start	1	End	1950
Name	OJ990128_01.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	1950
GI	6721562	Score	249
Exons	1..22, 373..760, 1910..1950		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi 6815087 dbj BAA90373.1 (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	34463	Seq. ID	OJ990128_01.9819.C6
Gene No.	71317	Strand	-
Start	3084	End	3320
Name	OJ990128_01.9819.C6.o2.gs	Method	GENSCAN
Start	3084	End	3320
GI	none	Score	.48
Exons	3084..3204, 3271..3320		

Seq. No.	34464	Seq. ID	OJ990128_01.9819.C7
Gene No.	71318	Strand	+
Start	1	End	2999
Name	OJ990128_01.9819.C7.o1.gp	Method	AAT/GAP
Start	1	End	256
GI	LIB3474-011-P1-K1-D5	Score	488
Exons	1..256		
GI Descrip.	'4836883/gb AAD30586.1 AC007260_17 2.0e-14 (AC007260) lcl_prt_seq No definition line found [Arabidopsis thaliana]'		

Seq. No.	34464	Seq. ID	OJ990128_01.9819.C7
Gene No.	71318	Strand	+
Start	1	End	2999
Name	OJ990128_01.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	3	End	332
GI	none	Score	188
Exons	3..332		

Seq. No.	34464	Seq. ID	OJ990128_01.9819.C7
Gene No.	71318	Strand	+
Start	1	End	2999
Name	OJ990128_01.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	3	End	197
GI	none	Score	216
Exons	3..197, 9..188		

Seq. No.	34464	Seq. ID	OJ990128_01.9819.C7
Gene No.	71318	Strand	+
Start	1	End	2999
Name	OJ990128_01.9819.C7.o1.gs	Method	GENSCAN
Start	24	End	2877
GI	none	Score	85
Exons	24..228, 243..323, 416..612, 956..1210, 1563..1641, 2690..2877		

Seq. No.	34464	Seq. ID	OJ990128_01.9819.C7
Gene No.	71318	Strand	+
Start	1	End	2999
Name	OJ990128_01.9819.C7.o2.gp	Method	AAT/GAP
Start	533	End	1501
GI	LIB3474-003-P1-K1-H2	Score	809
Exons	533..612, 956..1210, 1387..1501		
GI Descrip.	'2244889/emb CAB10310.1 4.0e-22 (Z97338) cytochrome P450 like protein [Arabidopsis thaliana]'		

Seq. No.	34464	Seq. ID	OJ990128_01.9819.C7
Gene No.	71318	Strand	+
Start	1	End	2999
Name	OJ990128_01.9819.C7.o1.np	Method	AAT/NAP
Start	1031	End	2780
GI	6635860	Score	517
Exons	1031..1210, 1387..1475, 1563..1641, 1779..1903, 2329..2438, 2690..2780		
GI Descrip.	(AF216313) cytochrome P450 [Helianthus annuus]		

Seq. No.	34464	Seq. ID	OJ990128_01.9819.C7
Gene No.	71318	Strand	+
Start	1	End	2999
Name	OJ990128_01.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	1031	End	1651
GI	none	Score	206
Exons	1031..1207, 1031..1204, 1075..1212, 1381..1479, 1386..1478, 1557..1637, 1562..1651, 1563..1634		

Seq. No.	34464	Seq. ID	OJ990128_01.9819.C7
Gene No.	71318	Strand	+
Start	1	End	2999

Name OJ990128_01.9819.C7.o3.gp
Start 2382
GI none
Exons 2382..2438, 2690..2999

Method AAT/GAP
End 2999
Score 647

Seq. No. 34465
Gene No. 71319
Start 120
Name OJ990128_01.9819.C8.o1.gs
Start 120
GI none
Exons 120..152, 756..782, 1059..1199

Seq. ID OJ990128_01.9819.C8
Strand +
End 1199
Method GENSCAN
End 1199
Score .6

Seq. No. 34466
Gene No. 71320
Start 692
Name OJ990128_01.9819.C9.o1.gs
Start 692
GI none
Exons 692..1044

Seq. ID OJ990128_01.9819.C9
Strand +
End 1044
Method GENSCAN
End 1044
Score .52

Seq. No. 34467
Gene No. 71321
Start 691
Name OJ990128_01.9819.C10.o1.gs
Start 691
GI none
Exons 691..789

Seq. ID OJ990128_01.9819.C10
Strand -
End 789
Method GENSCAN
End 789
Score .85

Seq. No. 34468
Gene No. 71322
Start 366
Name OJ990128_01.9819.C11.o1.gs
Start 366
GI none
Exons 366..527

Seq. ID OJ990128_01.9819.C11
Strand +
End 527
Method GENSCAN
End 527
Score .87

Seq. No. 34469
Gene No. 71323
Start 1
Name OJ990128_01.9819.C15.o1.np
Start 1
GI 1708311
Exons 1..63, 567..823, 1280..1301

Seq. ID OJ990128_01.9819.C15
Strand +
End 1301
Method AAT/NAP
End 1301
Score 366

GI Descrip. CHLOROPLAST STROMA 70 KD HEAT SHOCK-RELATED PROTEIN gi|170094
(M99565) 80 kDa heat shock protein [Spinacia oleracea]

Seq. No. 34469
Gene No. 71323
Start 1
Name OJ990128_01.9819.C15.o1.tm
Start 562
GI none
Exons 562..612, 563..781, 563..817, 564..818

Seq. ID OJ990128_01.9819.C15
Strand +
End 1301
Method TBLASTX:Maize
End 818
Score 192

Seq. No. 34469
Gene No. 71323

Seq. ID OJ990128_01.9819.C15
Strand +

Start	1	End	1301
Name	OJ990128_01.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	563	End	818
GI	none	Score	199
Exons	563..817, 564..818, 564..815, 566..817		

Seq. No.	34469	Seq. ID	OJ990128_01.9819.C15
Gene No.	71323	Strand	+
Start	1	End	1301
Name	OJ990128_01.9819.C15.o1.tw	Method	TBLASTX:Wheat
Start	566	End	818
GI	none	Score	214
Exons	566..763, 567..764, 771..818, 788..817		

Seq. No.	34469	Seq. ID	OJ990128_01.9819.C15
Gene No.	71323	Strand	+
Start	1	End	1301
Name	OJ990128_01.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	567	End	818
GI	none	Score	228
Exons	567..773, 584..802, 629..778, 756..818, 776..814		

Seq. No.	34469	Seq. ID	OJ990128_01.9819.C15
Gene No.	71323	Strand	+
Start	1	End	1301
Name	OJ990128_01.9819.C15.o1.gp	Method	AAT/GAP
Start	650	End	819
GI	24893_1.R1084	Score	321
Exons	650..819		
GI Descrip.	'399942/sp Q02028 HS7S_PEA 1.0e-152 CHLOROPLAST STROMA 70 KD HEAT SHOCK-RELATED PROTEIN PRECURSOR >gi_421881_pir_S32818 heat shock protein, 70K, chloroplast - garden pea >gi_169023 (L03299) 70 kDa heat shock protein [Pisum sativum] >gi_871515_emb_CAA49147_ (X69213) Psst70 (stress 70 protein) [Pisum sativum]'		

Seq. No.	34470	Seq. ID	OJ990128_01.9819.C16
Gene No.	71324	Strand	+
Start	1	End	2276
Name	OJ990128_01.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	2269
GI	399942	Score	1232
Exons	1..181, 1000..1142, 1232..1330, 1436..1625, 1871..2269		
GI Descrip.	CHLOROPLAST STROMA 70 KD HEAT SHOCK-RELATED PROTEIN PRECURSOR gi 421881 pir S32818 heat shock protein, 70K, chloroplast - garden pea gi 169023 (L03299) 70 kDa heat shock protein [Pisum sativum] gi 871515 emb CAA49147 (X69213) Psst70 (stress 70 protein) [Pisum sativum]		

Seq. No.	34470	Seq. ID	OJ990128_01.9819.C16
Gene No.	71324	Strand	+
Start	1	End	2276
Name	OJ990128_01.9819.C16.o1.gs	Method	GENSCAN
Start	86	End	2269
GI	none	Score	.92
Exons	86..181, 1000..1142, 1232..1330, 1436..1625, 1871..2269		

Seq. No.	34470	Seq. ID	OJ990128_01.9819.C16
Gene No.	71324	Strand	+
Start	1	End	2276
Name	OJ990128_01.9819.C16.o1.gp	Method	AAT/GAP
Start	96	End	2191
GI	24893_1.R1084	Score	1471
Exons	96..181, 1000..1142, 1232..1330, 1436..1625, 1871..2191		
GI Descrip.	'399942/sp Q02028 HS7S_PEA 1.0e-152 CHLOROPLAST STROMA 70 KD HEAT SHOCK-RELATED PROTEIN PRECURSOR >gi_421881_pir_S32818 heat shock protein, 70K, chloroplast - garden pea >gi_169023 (L03299) 70 kDa heat shock protein [Pisum sativum] >gi_871515_emb_CAA49147_ (X69213) Psst70 (stress 70 protein) [Pisum sativum]'		

Seq. No.	34470	Seq. ID	OJ990128_01.9819.C16
Gene No.	71324	Strand	+
Start	1	End	2276
Name	OJ990128_01.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	98	End	2272
GI	none	Score	142
Exons	98..181, 102..182, 102..179, 1000..1140, 1010..1135, 1212..1331, 1223..1339, 1425..1667, 1435..1626, 1868..2272, 1868..2269, 1870..2271		

Seq. No.	34470	Seq. ID	OJ990128_01.9819.C16
Gene No.	71324	Strand	+
Start	1	End	2276
Name	OJ990128_01.9819.C16.o1.tw	Method	TBLASTX:Wheat
Start	98	End	2250
GI	none	Score	98
Exons	98..178, 120..176, 139..180, 1288..1320, 1415..1528, 1416..1553, 1563..1646, 1873..2250, 1892..2242, 2083..2247		

Seq. No.	34470	Seq. ID	OJ990128_01.9819.C16
Gene No.	71324	Strand	+
Start	1	End	2276
Name	OJ990128_01.9819.C16.o2.ts	Method	TBLASTX:Soybean
Start	98	End	1331
GI	none	Score	99
Exons	98..178, 117..152, 139..180, 1003..1140, 1229..1330, 1230..1331		

Seq. No.	34470	Seq. ID	OJ990128_01.9819.C16
Gene No.	71324	Strand	+
Start	1	End	2276
Name	OJ990128_01.9819.C16.o2.tc	Method	TBLASTX:Cress
Start	98	End	1331
GI	none	Score	98
Exons	98..178, 1003..1140, 1229..1330, 1230..1331		

Seq. No.	34470	Seq. ID	OJ990128_01.9819.C16
Gene No.	71324	Strand	+
Start	1	End	2276
Name	OJ990128_01.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	1424	End	2276
GI	none	Score	182
Exons	1424..1618, 1425..1649, 1868..2272, 1870..2238, 2085..2276		

Seq. No.	34470	Seq. ID	OJ990128_01.9819.C16
Gene No.	71324	Strand	+
Start	1	End	2276
Name	OJ990128_01.9819.C16.o1.tc	Method	TBLASTX:Cress
Start	1425	End	2272
GI	none	Score	264
Exons	1425..1667, 1431..1667, 1868..2272, 1869..2006, 1873..2271		

Seq. No.	34471	Seq. ID	OJ990128_01.9819.C17
Gene No.	71325	Strand	+
Start	1	End	685
Name	OJ990128_01.9819.C17.o1.np	Method	AAT/NAP
Start	1	End	372
GI	399942	Score	382
Exons	1..372		
GI Descrip.	CHLOROPLAST STROMA 70 KD HEAT SHOCK-RELATED PROTEIN PRECURSOR gi 421881 pir S32818 heat shock protein, 70K, chloroplast - garden pea gi 169023 (L03299) 70 kDa heat shock protein [Pisum sativum] gi 871515 emb CAA49147 (X69213) Psst70 (stress 70 protein) [Pisum sativum]		

Seq. No.	34471	Seq. ID	OJ990128_01.9819.C17
Gene No.	71325	Strand	+
Start	1	End	685
Name	OJ990128_01.9819.C17.o1.gp	Method	AAT/GAP
Start	63	End	685
GI	13614_1.R1084	Score	1206
Exons	63..685		
GI Descrip.	'1143427/emb CAA52149 7.0e-80 (X73961) heat shock protein 70 [Cucumis sativus]'		

Seq. No.	34471	Seq. ID	OJ990128_01.9819.C17
Gene No.	71325	Strand	+
Start	1	End	685
Name	OJ990128_01.9819.C17.o1.gs	Method	GENSCAN
Start	76	End	375
GI	none	Score	.99
Exons	76..375		

Seq. No.	34471	Seq. ID	OJ990128_01.9819.C17
Gene No.	71326	Strand	-
Start	1981	End	2393
Name	OJ990128_01.9819.C17.o2.tm	Method	TBLASTX:Maize
Start	63	End	375
GI	none	Score	62
Exons	63..98, 63..254, 64..255, 65..256, 121..255, 264..374, 307..375, 330..374		

Seq. No.	34471	Seq. ID	OJ990128_01.9819.C17
Gene No.	71326	Strand	-
Start	1981	End	2393
Name	OJ990128_01.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	90	End	375
GI	none	Score	101
Exons	90..230, 90..236, 91..258, 127..258, 322..375, 336..374		

Seq. No.	34471	Seq. ID	OJ990128_01.9819.C17
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Gene No.	71326	Strand	-
Start	1981	End	2393
Name	OJ990128_01.9819.C17.o2.ts	Method	TBLASTX:Soybean
Start	106	End	375
GI	none	Score	207
Exons	106..255, 107..253, 112..255, 279..329, 333..371, 334..375		

Seq. No.	34471	Seq. ID	OJ990128_01.9819.C17
Gene No.	71326	Strand	-
Start	1981	End	2393
Name	OJ990128_01.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	118	End	380
GI	none	Score	141
Exons	118..255, 143..256, 165..254, 307..375, 324..380		

Seq. No.	34471	Seq. ID	OJ990128_01.9819.C17
Gene No.	71326	Strand	-
Start	1981	End	2393
Name	OJ990128_01.9819.C17.o2.gp	Method	AAT/GAP
Start	1838	End	2393
GI	40727_1.R1084	Score	1047

Exons 1838..2393

GI Descrip. '6016731/gb|AAF01557.1|AC009325.27.2.0e-25 (AC009325) unknown protein [Arabidopsis thaliana]
>gi_6091718_gb_AAF03430.1_AC010797_6 (AC010797) unknown protein [Arabidopsis thaliana]'

Seq. No.	34471	Seq. ID	OJ990128_01.9819.C17
Gene No.	71326	Strand	-
Start	1981	End	2393
Name	OJ990128_01.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	1933	End	2255
GI	none	Score	205
Exons	1933..2238, 1964..2200, 1971..2255, 1975..2250		

Seq. No.	34471	Seq. ID	OJ990128_01.9819.C17
Gene No.	71326	Strand	-
Start	1981	End	2393
Name	OJ990128_01.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	1962	End	2250
GI	none	Score	179
Exons	1962..2183, 1963..2229, 1979..2197, 1981..2250		

Seq. No.	34471	Seq. ID	OJ990128_01.9819.C17
Gene No.	71326	Strand	-
Start	1981	End	2393
Name	OJ990128_01.9819.C17.o2.gs	Method	GENSCAN
Start	1981	End	2373
GI	none	Score	.64
Exons	1981..2373		

Seq. No.	34471	Seq. ID	OJ990128_01.9819.C17
Gene No.	71326	Strand	-
Start	1981	End	2393
Name	OJ990128_01.9819.C17.o2.np	Method	AAT/NAP
Start	1984	End	2352
GI	6016731	Score	370

Exons 1984..2352
GI Descrip. (AC009325) unknown protein [Arabidopsis thaliana]
gi|6091718|gb|AAF03430.1|AC010797_6 (AC010797) unknown protein
[Arabidopsis thaliana]

Seq. No.	34472	Seq. ID	OJ990128_01.9819.C18
Gene No.	71327	Strand	+
Start	800	End	887
Name	OJ990128_01.9819.C18.o1.gp	Method	AAT/GAP
Start	800	End	887
GI	none	Score	121
Exons	800..887		

Seq. No.	34472	Seq. ID	OJ990128_01.9819.C18
Gene No.	71328	Strand	+
Start	836	End	1030
Name	OJ990128_01.9819.C18.o1.gs	Method	GENSCAN
Start	836	End	1030
GI	none	Score	.76
Exons	836..1030		

Seq. No.	34473	Seq. ID	OJ990128_01.9819.C19
Gene No.	71329	Strand	+
Start	950	End	1039
Name	OJ990128_01.9819.C19.o1.gs	Method	GENSCAN
Start	950	End	1039
GI	none	Score	.85
Exons	950..1039		

Seq. No.	34473	Seq. ID	OJ990128_01.9819.C19
Gene No.	71330	Strand	-
Start	1730	End	1858
Name	OJ990128_01.9819.C19.o2.gs	Method	GENSCAN
Start	1730	End	1858
GI	none	Score	.7
Exons	1730..1858		

Seq. No.	34474	Seq. ID	OJ990128_01.9819.C20
Gene No.	71331	Strand	+
Start	1	End	1845
Name	OJ990128_01.9819.C20.o1.np	Method	AAT/NAP
Start	1	End	1834
GI	2213629	Score	850
Exons	1..445, 1323..1414, 1541..1624, 1748..1834		
GI Descrip.	(AC000103) F21J9.21 [Arabidopsis thaliana]		

Seq. No.	34474	Seq. ID	OJ990128_01.9819.C20
Gene No.	71331	Strand	+
Start	1	End	1845
Name	OJ990128_01.9819.C20.o1.gs	Method	GENSCAN
Start	54	End	1845
GI	none	Score	.71
Exons	54..445, 1541..1609, 1739..1845		

Seq. No.	34474	Seq. ID	OJ990128_01.9819.C20
Gene No.	71332	Strand	+
Start	2332	End	2754

Name	OJ990128_01.9819.C20.o1.gp	Method	AAT/GAP
Start	2332	End	2754
GI	none	Score	797
Exons	2332..2754		
Seq. No.	34474	Seq. ID	OJ990128_01.9819.C20
Gene No.	71333	Strand	-
Start	2652	End	7077
Name	OJ990128_01.9819.C20.o1.tm	Method	TBLASTX:Maize
Start	1	End	1837
GI	none	Score	579
Exons	1..444, 15..443, 1541..1624, 1547..1621, 1724..1837		
Seq. No.	34474	Seq. ID	OJ990128_01.9819.C20
Gene No.	71333	Strand	-
Start	2652	End	7077
Name	OJ990128_01.9819.C20.o1.tc	Method	TBLASTX:Cress
Start	40	End	1843
GI	none	Score	556
Exons	40..444, 42..443, 1331..1414, 1541..1612, 1742..1843		
Seq. No.	34474	Seq. ID	OJ990128_01.9819.C20
Gene No.	71333	Strand	-
Start	2652	End	7077
Name	OJ990128_01.9819.C20.o1.ts	Method	TBLASTX:Soybean
Start	133	End	1846
GI	none	Score	405
Exons	133..444, 138..443, 1541..1624, 1543..1620, 1741..1842, 1742..1846		
Seq. No.	34474	Seq. ID	OJ990128_01.9819.C20
Gene No.	71333	Strand	-
Start	2652	End	7077
Name	OJ990128_01.9819.C20.o2.tm	Method	TBLASTX:Maize
Start	2650	End	5025
GI	none	Score	39
Exons	2650..2679, 2651..2674, 2742..2861, 2752..2859, 2949..3089, 2950..3102, 2958..3056, 4939..5019, 4969..5025		
Seq. No.	34474	Seq. ID	OJ990128_01.9819.C20
Gene No.	71333	Strand	-
Start	2652	End	7077
Name	OJ990128_01.9819.C20.o2.gs	Method	GENSCAN
Start	2652	End	7077
GI	none	Score	.46
Exons	2652..2865, 2950..3086, 4969..5018, 5862..5932, 6319..6404, 6916..7077		
Seq. No.	34474	Seq. ID	OJ990128_01.9819.C20
Gene No.	71333	Strand	-
Start	2652	End	7077
Name	OJ990128_01.9819.C20.o2.np	Method	AAT/NAP
Start	2676	End	5940
GI	4220484	Score	217
Exons	2676..2865, 2950..3086, 4969..5018, 5862..5940		
GI Descrip.	(AC006069) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34474	Seq. ID	OJ990128_01.9819.C20
Gene No.	71333	Strand	-
Start	2652	End	7077
Name	OJ990128_01.9819.C20.o2.gp	Method	AAT/GAP
Start	2778	End	6271
GI	75977_1.R1084	Score	795
Exons	2778..2865, 2950..3086, 4969..5018, 5862..5987, 6178..6271		
GI Descrip.	'5852170/emb AL117265.1 OST17804 3.0e-94 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	34475	Seq. ID	OJ990128_01.9819.C21
Gene No.	71334	Strand	+
Start	586	End	672
Name	OJ990128_01.9819.C21.o1.gs	Method	GENSCAN
Start	586	End	672
GI	none	Score	.53
Exons	586..672		

Seq. No.	34475	Seq. ID	OJ990128_01.9819.C21
Gene No.	71335	Strand	+
Start	1418	End	2324
Name	OJ990128_01.9819.C21.o1.np	Method	AAT/NAP
Start	1418	End	2324
GI	5042463	Score	139
Exons	1418..1613, 2029..2324		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	34475	Seq. ID	OJ990128_01.9819.C21
Gene No.	71336	Strand	-
Start	1659	End	2230
Name	OJ990128_01.9819.C21.o2.gs	Method	GENSCAN
Start	1659	End	2230
GI	none	Score	.42
Exons	1659..1829, 2186..2230		

Seq. No.	34476	Seq. ID	OJ990128_01.9819.C22
Gene No.	71337	Strand	-
Start	1418	End	1528
Name	OJ990128_01.9819.C22.o1.gp	Method	AAT/GAP
Start	1418	End	1528
GI	5867_1.R1084	Score	139
Exons	1418..1528		
GI Descrip.	'464986/sp P35132 UBC9 ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9' (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir_S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme. [Arabidopsis]		

Seq. No.	34476	Seq. ID	OJ990128_01.9819.C22
Gene No.	71338	Strand	-
Start	3406	End	9171
Name	OJ990128_01.9819.C22.o2.gs	Method	GENSCAN
Start	3406	End	4086
GI	none	Score	.43
Exons	3406..4086		

Seq. No.	34476	Seq. ID	OJ990128_01.9819.C22
Gene No.	71338	Strand	-
Start	3406	End	9171
Name	OJ990128_01.9819.C22.o1.np	Method	AAT/NAP
Start	3409	End	7354
GI	4234854	Score	2187
Exons	3409..5481, 7302..7354		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	34476	Seq. ID	OJ990128_01.9819.C22
Gene No.	71338	Strand	-
Start	3406	End	9171
Name	OJ990128_01.9819.C22.o2.tw	Method	TBLASTX:Wheat
Start	3460	End	3859
GI	none	Score	110
Exons	3460..3855, 3626..3859		

Seq. No.	34476	Seq. ID	OJ990128_01.9819.C22
Gene No.	71338	Strand	-
Start	3406	End	9171
Name	OJ990128_01.9819.C22.o2.ts	Method	TBLASTX:Soybean
Start	3463	End	4029
GI	none	Score	128
Exons	3463..3654, 3643..3834, 3847..4029		

Seq. No.	34476	Seq. ID	OJ990128_01.9819.C22
Gene No.	71338	Strand	-
Start	3406	End	9171
Name	OJ990128_01.9819.C22.o2.tm	Method	TBLASTX:Maize
Start	3919	End	4332
GI	none	Score	124
Exons	3919..4215, 3920..4075, 4189..4332		

Seq. No.	34476	Seq. ID	OJ990128_01.9819.C22
Gene No.	71338	Strand	-
Start	3406	End	9171
Name	OJ990128_01.9819.C22.o1.tw	Method	TBLASTX:Wheat
Start	4015	End	4819
GI	none	Score	113
Exons	4015..4326, 4019..4375, 4178..4330, 4352..4489, 4402..4488, 4465..4818, 4472..4819, 4474..4818		

Seq. No.	34476	Seq. ID	OJ990128_01.9819.C22
Gene No.	71338	Strand	-
Start	3406	End	9171
Name	OJ990128_01.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	4510	End	4947
GI	5509260	Score	140
Exons	4510..4947, 4589..4858		
GI Descrip.	-		

Seq. No.	34476	Seq. ID	OJ990128_01.9819.C22
Gene No.	71338	Strand	-
Start	3406	End	9171
Name	OJ990128_01.9819.C22.o1.tc	Method	TBLASTX:Cress
Start	4609	End	4860

GI	none	Score	114
Exons	4609..4860, 4622..4858		
Seq. No.	34476	Seq. ID	OJ990128_01.9819.C22
Gene No.	71338	Strand	-
Start	3406	End	9171
Name	OJ990128_01.9819.C22.o3.tm	Method	TBLASTX:Maize
Start	4639	End	4947
GI	none	Score	116
Exons	4639..4947, 4640..4897		

Seq. No.	34476	Seq. ID	OJ990128_01.9819.C22
Gene No.	71338	Strand	-
Start	3406	End	9171
Name	OJ990128_01.9819.C22.o3.gs	Method	GENSCAN
Start	4663	End	9171
GI	none	Score	.4
Exons	4663..5132, 5509..5676, 5738..6359, 7230..7448, 7472..7813, 8382..8625, 9035..9171		

Seq. No.	34476	Seq. ID	OJ990128_01.9819.C22
Gene No.	71338	Strand	-
Start	3406	End	9171
Name	OJ990128_01.9819.C22.o2.np	Method	AAT/NAP
Start	5462	End	6353
GI	4234846	Score	350
Exons	5462..6143, 6177..6353		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	34476	Seq. ID	OJ990128_01.9819.C22
Gene No.	71338	Strand	-
Start	3406	End	9171
Name	OJ990128_01.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	5709	End	6257
GI	none	Score	136
Exons	5709..5936, 5712..6257, 5713..6255		

Seq. No.	34477	Seq. ID	OJ990128_01.9819.C23
Gene No.	71339	Strand	-
Start	2113	End	3139
Name	OJ990128_01.9819.C23.o1.gs	Method	GENSCAN
Start	2113	End	3139
GI	none	Score	.72
Exons	2113..2206, 3045..3139		

Seq. No.	34478	Seq. ID	OJ990128_01.9819.C25
Gene No.	71340	Strand	-
Start	1	End	679
Name	OJ990128_01.9819.C25.o1.np	Method	AAT/NAP
Start	1	End	679
GI	5922634	Score	71
Exons	1..73, 553..679		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016867 dbj BAA85210.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	34478	Seq. ID	OJ990128_01.9819.C25
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Gene No.	71341	Strand	-
Start	611	End	679
Name	OJ990128_01.9819.C25.o1.gs	Method	GENSCAN
Start	611	End	679
GI	none	Score	.52
Exons	611..679		

Seq. No.	34479	Seq. ID	OJ990128_01.9819.C26
Gene No.	71342	Strand	+
Start	197	End	517
Name	OJ990128_01.9819.C26.o1.gs	Method	GENSCAN
Start	197	End	517
GI	none	Score	.66
Exons	197..341, 347..517		

Seq. No.	34480	Seq. ID	OJ990128_01.9819.C27
Gene No.	71343	Strand	+
Start	1	End	825
Name	OJ990128_01.9819.C27.o1.np	Method	AAT/NAP
Start	1	End	822
GI	4680179.	Score	1052
Exons	1..822		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	34480	Seq. ID	OJ990128_01.9819.C27
Gene No.	71343	Strand	+
Start	1	End	825
Name	OJ990128_01.9819.C27.o1.tw	Method	TBLASTX:Wheat
Start	64	End	444
GI	none	Score	404
Exons	64..444, 66..332, 190..441		

Seq. No.	34480	Seq. ID	OJ990128_01.9819.C27
Gene No.	71343	Strand	+
Start	1	End	825
Name	OJ990128_01.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	66	End	597
GI	none	Score	125
Exons	66..149, 67..159, 157..597, 159..581		

Seq. No.	34480	Seq. ID	OJ990128_01.9819.C27
Gene No.	71343	Strand	+
Start	1	End	825
Name	OJ990128_01.9819.C27.o1.gs	Method	GENSCAN
Start	73	End	825
GI	none	Score	.82
Exons	73..285, 331..825		

Seq. No.	34480	Seq. ID	OJ990128_01.9819.C27
Gene No.	71343	Strand	+
Start	1	End	825
Name	OJ990128_01.9819.C27.o2.tw	Method	TBLASTX:Wheat
Start	444	End	777
GI	none	Score	315
Exons	444..713, 445..777		

Seq. No.	34481	Seq. ID	OJ990128_01.9819.C29
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Gene No.	71344	Strand	+
Start	1	End	744
Name	OJ990128_01.9819.C29.ol.np	Method	AAT/NAP
Start	1	End	744
GI	4680204	Score	202
Exons	1..122, 214..744		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	34481	Seq. ID	OJ990128_01.9819.C29
Gene No.	71345	Strand	-
Start	259	End	611
Name	OJ990128_01.9819.C29.ol.gs	Method	GENSCAN
Start	259	End	611
GI	none	Score	.71
Exons	259..366, 484..611		

Seq. No.	34482	Seq. ID	OJ990128_01.9819.C30
Gene No.	71346	Strand	+
Start	1	End	248
Name	OJ990128_01.9819.C30.ol.np	Method	AAT/NAP
Start	1	End	239
GI	6907087	Score	117
Exons	1..239		

GI Descrip. (AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	34482	Seq. ID	OJ990128_01.9819.C30
Gene No.	71346	Strand	+
Start	1	End	248
Name	OJ990128_01.9819.C30.ol.gs	Method	GENSCAN
Start	138	End	248
GI	none	Score	.88
Exons	138..248		

Seq. No.	34483	Seq. ID	OJ990128_01.9819.C31
Gene No.	71347	Strand	+
Start	1	End	1285
Name	OJ990128_01.9819.C31.ol.np	Method	AAT/NAP
Start	1	End	1285
GI	5091513	Score	440
Exons	1..618, 1126..1285		

GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No.	34483	Seq. ID	OJ990128_01.9819.C31
Gene No.	71347	Strand	+
Start	1	End	1285
Name	OJ990128_01.9819.C31.ol.gs	Method	GENSCAN
Start	356	End	676
GI	none	Score	.78
Exons	356..676		

Seq. No.	34484	Seq. ID	OJ990128_01.9819.C32
Gene No.	71348	Strand	+
Start	1	End	1150
Name	OJ990128_01.9819.C32.ol.np	Method	AAT/NAP
Start	1	End	1150

GI 5091513 Score 730
Exons 1..929, 966..1150
GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No. 34484 Seq. ID OJ990128_01.9819.C32
Gene No. 71349 Strand +
Start 1977 End 2132
Name OJ990128_01.9819.C32.o2.gs Method GENSCAN
Start 1977 End 2132
GI none Score .75
Exons 1977..2132

Seq. No. 34484 Seq. ID OJ990128_01.9819.C32
Gene No. 71350 Strand +
Start 2677 End 5060
Name OJ990128_01.9819.C32.o3.gs Method GENSCAN
Start 2677 End 5060
GI none Score .72
Exons 2677..2736, 3210..3231, 3730..4329, 4483..4508, 4587..5060

Seq. No. 34485 Seq. ID OJ990128_01.9819.C33
Gene No. 71351 Strand +
Start 464 End 554
Name OJ990128_01.9819.C33.o1.gs Method GENSCAN
Start 464 End 554
GI none Score .47
Exons 464..554

Seq. No. 34485 Seq. ID OJ990128_01.9819.C33
Gene No. 71352 Strand -
Start 1 End 366
Name OJ990128_01.9819.C33.o1.gp Method AAT/GAP
Start 1 End 366
GI LIB3434-038-P1-K1-F1 Score 652
Exons 1..366
GI Descrip. '5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic
DNA, chromosome 8, clone:P0026F07'

Seq. No. 34486 Seq. ID OJ990128_01.9819.C35
Gene No. 71353 Strand +
Start 109 End 419
Name OJ990128_01.9819.C35.o1.gs Method GENSCAN
Start 109 End 419
GI none Score .45
Exons 109..419

Seq. No. 34486 Seq. ID OJ990128_01.9819.C35
Gene No. 71354 Strand -
Start 848 End 1170
Name OJ990128_01.9819.C35.o2.gs Method GENSCAN
Start 848 End 1170
GI none Score .93
Exons 848..1105, 1110..1170

Seq. No. 34487 Seq. ID OJ990128_01.9819.C36
Gene No. 71355 Strand +
Start 197 End 724

Name	OJ990128_01.9819.C36.o1.gs	Method	GENSCAN
Start	197	End	695
GI	none	Score	.64
Exons	197..695		

Seq. No.	34487	Seq. ID	OJ990128_01.9819.C36
Gene No.	71355	Strand	+
Start	197	End	724
Name	OJ990128_01.9819.C36.o1.np	Method	AAT/NAP
Start	274	End	724
GI	4680203	Score	257
Exons	274..724		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	34487	Seq. ID	OJ990128_01.9819.C36
Gene No.	71355	Strand	+
Start	197	End	724
Name	OJ990128_01.9819.C36.o1.ts	Method	TBLASTX:Soybean
Start	408	End	719
GI	none	Score	43
Exons	408..437, 441..719, 464..661		

Seq. No.	34487	Seq. ID	OJ990128_01.9819.C36
Gene No.	71355	Strand	+
Start	197	End	724
Name	OJ990128_01.9819.C36.o1.tw	Method	TBLASTX:Wheat
Start	411	End	682
GI	none	Score	211
Exons	411..674, 449..682		

Seq. No.	34488	Seq. ID	OJ990128_01.9819.C37
Gene No.	71356	Strand	+
Start	751	End	817
Name	OJ990128_01.9819.C37.o1.gs	Method	GENSCAN
Start	751	End	817
GI	none	Score	.5
Exons	751..817		

Seq. No.	34489	Seq. ID	OJ990128_01.9819.C38
Gene No.	71357	Strand	-
Start	273	End	463
Name	OJ990128_01.9819.C38.o1.gs	Method	GENSCAN
Start	273	End	463
GI	none	Score	.59
Exons	273..463		

Seq. No.	34490	Seq. ID	OJ990128_01.9819.C39
Gene No.	71358	Strand	+
Start	231	End	336
Name	OJ990128_01.9819.C39.o1.gs	Method	GENSCAN
Start	231	End	336
GI	none	Score	.97
Exons	231..336		

Seq. No.	34491	Seq. ID	OJ990128_01.9819.C40
Gene No.	71359	Strand	+
Start	1	End	2601

Name	OJ990128_01.9819.C40.o1.np	Method	AAT/NAP
Start	1	End	2601
GI	6630685	Score	1308
Exons	1..469, 500..1665, 2130..2601		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	34491	Seq. ID	OJ990128_01.9819.C40
Gene No.	71359	Strand	+
Start	1	End	2601
Name	OJ990128_01.9819.C40.o1.gs	Method	GENSCAN
Start	132	End	1599
GI	none	Score	.85
Exons	132..237, 395..475, 563..742, 1235..1279, 1514..1599		

Seq. No.	34491	Seq. ID	OJ990128_01.9819.C40
Gene No.	71360	Strand	+
Start	3700	End	4113
Name	OJ990128_01.9819.C40.o1.ts	Method	TBLASTX:Soybean
Start	532	End	1109
GI	5509260	Score	39
Exons	532..576, 598..747, 610..741, 709..801, 731..832, 738..833, 826..960, 847..960, 912..962, 914..973, 937..1104, 945..1109		

GI Descrip. -

Seq. No.	34491	Seq. ID	OJ990128_01.9819.C40
Gene No.	71360	Strand	+
Start	3700	End	4113
Name	OJ990128_01.9819.C40.o1.tw	Method	TBLASTX:Wheat
Start	655	End	1095
GI	none	Score	83
Exons	655..762, 673..750, 750..833, 758..832, 827..853, 828..866, 920..958, 924..956, 937..1095, 966..1085		

Seq. No.	34491	Seq. ID	OJ990128_01.9819.C40
Gene No.	71360	Strand	+
Start	3700	End	4113
Name	OJ990128_01.9819.C40.o2.tm	Method	TBLASTX:Maize
Start	910	End	1313
GI	none	Score	84
Exons	910..966, 911..967, 937..1299, 945..1145, 1182..1313		

Seq. No.	34491	Seq. ID	OJ990128_01.9819.C40
Gene No.	71360	Strand	+
Start	3700	End	4113
Name	OJ990128_01.9819.C40.o2.ts	Method	TBLASTX:Soybean
Start	1246	End	1655
GI	none	Score	43
Exons	1246..1317, 1299..1655		

Seq. No.	34491	Seq. ID	OJ990128_01.9819.C40
Gene No.	71360	Strand	+
Start	3700	End	4113
Name	OJ990128_01.9819.C40.o1.tm	Method	TBLASTX:Maize
Start	1461	End	2569
GI	none	Score	178
Exons	1461..1670, 2102..2563, 2137..2439, 2369..2569		

Seq. No.	34491	Seq. ID	OJ990128_01.9819.C40
Gene No.	71360	Strand	+
Start	3700	End	4113
Name	OJ990128_01.9819.C40.o2.tw	Method	TBLASTX:Wheat
Start	2135	End	2536
GI	none	Score	86
Exons	2135..2302, 2360..2536, 2363..2467		

Seq. No.	34491	Seq. ID	OJ990128_01.9819.C40
Gene No.	71360	Strand	+
Start	3700	End	4113
Name	OJ990128_01.9819.C40.o3.ts	Method	TBLASTX:Soybean
Start	2135	End	2536
GI	none	Score	132
Exons	2135..2287, 2360..2536		

Seq. No.	34491	Seq. ID	OJ990128_01.9819.C40
Gene No.	71360	Strand	+
Start	3700	End	4113
Name	OJ990128_01.9819.C40.o2.np	Method	AAT/NAP
Start	3700	End	4113
GI	6539588	Score	128
Exons	3700..4113		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	34492	Seq. ID	OJ990128_01.9819.C41
Gene No.	71361	Strand	+
Start	53	End	3071
Name	OJ990128_01.9819.C41.o1.gs	Method	GENSCAN
Start	53	End	1782
GI	none	Score	.74
Exons	53..169, 469..503, 1282..1782		

Seq. No.	34492	Seq. ID	OJ990128_01.9819.C41
Gene No.	71361	Strand	+
Start	53	End	3071
Name	OJ990128_01.9819.C41.o1.np	Method	AAT/NAP
Start	483	End	3071
GI	5852179	Score	289
Exons	483..503, 1327..1532, 1606..1832, 3041..3071		
GI Descrip.	(AL117265).zhb0009.1 [Oryza sativa]		

Seq. No.	34492	Seq. ID	OJ990128_01.9819.C41
Gene No.	71362	Strand	-
Start	2427	End	3071
Name	OJ990128_01.9819.C41.o2.gs	Method	GENSCAN
Start	2427	End	3061
GI	none	Score	.66
Exons	2427..2435, 2489..2710, 2843..3061		

Seq. No.	34492	Seq. ID	OJ990128_01.9819.C41
Gene No.	71362	Strand	-
Start	2427	End	3071
Name	OJ990128_01.9819.C41.o2.np	Method	AAT/NAP
Start	2496	End	3071
GI	4680179	Score	751

Exons	2496..3071		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	34492	Seq. ID	OJ990128_01.9819.C41
Gene No.	71362	Strand	-
Start	2427	End	3071
Name	OJ990128_01.9819.C41.o1.tw	Method	TBLASTX:Wheat
Start	2565	End	2962
GI	none	Score	60
Exons	2565..2627, 2591..2962, 2649..2927, 2756..2941		

Seq. No.	34492	Seq. ID	OJ990128_01.9819.C41
Gene No.	71362	Strand	-
Start	2427	End	3071
Name	OJ990128_01.9819.C41.o1.tm	Method	TBLASTX:Maize
Start	2735	End	3071
GI	none	Score	104
Exons	2735..3064, 2736..2933, 2756..2998, 3000..3071		

Seq. No.	34493	Seq. ID	OJ990128_01.9819.C42
Gene No.	71363	Strand	-
Start	1	End	1240
Name	OJ990128_01.9819.C42.o3.tw	Method	TBLASTX:Wheat
Start	1	End	216
GI	none	Score	48
Exons	1..75, 2..73, 3..77, 41..208, 67..216, 77..211, 105..143		

Seq. No.	34493	Seq. ID	OJ990128_01.9819.C42
Gene No.	71363	Strand	-
Start	1	End	1240
Name	OJ990128_01.9819.C42.o1.np	Method	AAT/NAP
Start	1	End	1240
GI	4680179	Score	1773
Exons	1..1240		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	34493	Seq. ID	OJ990128_01.9819.C42
Gene No.	71363	Strand	-
Start	1	End	1240
Name	OJ990128_01.9819.C42.o1.gs	Method	GENSCAN
Start	73	End	1086
GI	none	Score	.94
Exons	73..1086		

Seq. No.	34493	Seq. ID	OJ990128_01.9819.C42
Gene No.	71363	Strand	-
Start	1	End	1240
Name	OJ990128_01.9819.C42.o2.tm	Method	TBLASTX:Maize
Start	85	End	376
GI	none	Score	305
Exons	85..375, 89..376		

Seq. No.	34493	Seq. ID	OJ990128_01.9819.C42
Gene No.	71363	Strand	-
Start	1	End	1240
Name	OJ990128_01.9819.C42.o1.ts	Method	TBLASTX:Soybean
Start	175	End	435

GI	none	Score	175
Exons	175..435, 176..424		
Seq. No.	34493	Seq. ID	OJ990128_01.9819.C42
Gene No.	71363	Strand	-
Start	1	End	1240
Name	OJ990128_01.9819.C42.o1.tc	Method	TBLASTX:Cress
Start	199	End	525
GI	none	Score	80
Exons	199..342, 200..340, 343..525		
Seq. No.	34493	Seq. ID	OJ990128_01.9819.C42
Gene No.	71363	Strand	-
Start	1	End	1240
Name	OJ990128_01.9819.C42.o1.tw	Method	TBLASTX:Wheat
Start	222	End	765
GI	none	Score	153
Exons	222..476, 223..765, 245..580		
Seq. No.	34493	Seq. ID	OJ990128_01.9819.C42
Gene No.	71363	Strand	-
Start	1	End	1240
Name	OJ990128_01.9819.C42.o1.tm	Method	TBLASTX:Maize
Start	787	End	1140
GI	none	Score	43
Exons	787..1140, 794..826, 872..1135		
Seq. No.	34493	Seq. ID	OJ990128_01.9819.C42
Gene No.	71363	Strand	-
Start	1	End	1240
Name	OJ990128_01.9819.C42.o2.tw	Method	TBLASTX:Wheat
Start	787	End	1210
GI	none	Score	222
Exons	787..1137, 787..1209, 794..1210		
Seq. No.	34493	Seq. ID	OJ990128_01.9819.C42
Gene No.	71363	Strand	-
Start	1	End	1240
Name	OJ990128_01.9819.C42.o2.ts	Method	TBLASTX:Soybean
Start	958	End	1140
GI	none	Score	61
Exons	958..1140, 961..1134		
Seq. No.	34494	Seq. ID	OJ990128_01.9819.C44
Gene No.	71364	Strand	+
Start	367	End	549
Name	OJ990128_01.9819.C44.o1.gs	Method	GENSCAN
Start	367	End	549
GI	none	Score	.55
Exons	367..549		
Seq. No.	34495	Seq. ID	OJ990128_01.9819.C45
Gene No.	71365	Strand	+
Start	285	End	721
Name	OJ990128_01.9819.C45.o1.np	Method	AAT/NAP
Start	285	End	721
GI	6063557	Score	45

Exons 285..413, 702..721
GI Descrip. (AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]

Seq. No.	34495	Seq. ID	OJ990128_01.9819.C45
Gene No.	71366	Strand	-
Start	299	End	384
Name	OJ990128_01.9819.C45.ol.gs	Method	GENSCAN
Start	299	End	384
GI	none	Score	.71
Exons	299..384		

Seq. No.	34496	Seq. ID	OJ990128_01.9819.C46
Gene No.	71367	Strand	-
Start	1	End	724
Name	OJ990128_01.9819.C46.ol.np	Method	AAT/NAP
Start	1	End	724
GI	399942	Score	526
Exons	1..724		

GI Descrip. CHLOROPLAST STROMA 70 KD HEAT SHOCK-RELATED PROTEIN PRECURSOR
gi|421881|pir||S32818 heat shock protein, 70K, chloroplast -
garden pea gi|169023 (L03299) 70 kDa heat shock protein [Pisum
sativum] gi|871515|emb|CAA49147| (X69213) Psst70 (stress 70
protein) [Pisum sativum].

Seq. No.	34496	Seq. ID	OJ990128_01.9819.C46
Gene No.	71367	Strand	-
Start	1	End	724
Name	OJ990128_01.9819.C46.ol.tc	Method	TBLASTX:Cress
Start	175	End	532
GI	none	Score	354
Exons	175..531, 179..532		

Seq. No.	34496	Seq. ID	OJ990128_01.9819.C46
Gene No.	71367	Strand	-
Start	1	End	724
Name	OJ990128_01.9819.C46.ol.tm	Method	TBLASTX:Maize
Start	175	End	598
GI	none	Score	460
Exons	175..597, 179..598		

Seq. No.	34496	Seq. ID	OJ990128_01.9819.C46
Gene No.	71367	Strand	-
Start	1	End	724
Name	OJ990128_01.9819.C46.ol.ts	Method	TBLASTX:Soybean
Start	286	End	526
GI	none	Score	190
Exons	286..525, 314..526		

Seq. No.	34496	Seq. ID	OJ990128_01.9819.C46
Gene No.	71367	Strand	-
Start	1	End	724
Name	OJ990128_01.9819.C46.ol.tw	Method	TBLASTX:Wheat
Start	290	End	526
GI	none	Score	79
Exons	290..400, 298..399, 400..525, 401..526		

Seq. No.	34496	Seq. ID	OJ990128_01.9819.C46
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Gene No.	71367	Strand	-
Start	1	End	724
Name	OJ990128_01.9819.C46.o1.gp	Method	AAT/GAP
Start	316	End	724
GI	5004759	Score	627
Exons	316..724		
GI Descrip.	5051770/emb CAB45063.1 9.0e-12 (AL078637) hsp 70-like protein [Arabidopsis thaliana]		

Seq. No.	34497	Seq. ID	OJ990128_01.9819.C47
Gene No.	71368	Strand	-
Start	1792	End	2489
Name	OJ990128_01.9819.C47.o1.np	Method	AAT/NAP
Start	1704	End	2489
GI	5042463	Score	173
Exons	1704..1799, 1856..2023, 2350..2489		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	34497	Seq. ID	OJ990128_01.9819.C47
Gene No.	71368	Strand	-
Start	1792	End	2489
Name	OJ990128_01.9819.C47.o1.gs	Method	GENSCAN
Start	1792	End	2034
GI	none	Score	.94
Exons	1792..2034		

Seq. No.	34498	Seq. ID	OJ990128_01.9819.C48
Gene No.	71369	Strand	+
Start	280	End	692
Name	OJ990128_01.9819.C48.o1.gs	Method	GENSCAN
Start	280	End	692
GI	none	Score	.45
Exons	280..342, 585..692		

Seq. No.	34498	Seq. ID	OJ990128_01.9819.C48
Gene No.	71370	Strand	+
Start	2072	End	3150
Name	OJ990128_01.9819.C48.o2.gs	Method	GENSCAN
Start	2072	End	3150
GI	none	Score	.41
Exons	2072..2178, 2968..3150		

Seq. No.	34498	Seq. ID	OJ990128_01.9819.C48
Gene No.	71371	Strand	-
Start	1	End	692
Name	OJ990128_01.9819.C48.o1.np	Method	AAT/NAP
Start	1	End	692
GI	5042463	Score	213
Exons	1..72, 294..692		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	34499	Seq. ID	OJ990128_01.9819.C49
Gene No.	71372	Strand	-
Start	169	End	2677
Name	OJ990128_01.9819.C49.o1.gs	Method	GENSCAN
Start	169	End	2677
GI	none	Score	.72

Exons 169..486, 1467..1661, 2637..2677

Seq. No.	34500	Seq. ID	OJ990128_01.9819.C51
Gene No.	71373	Strand	+
Start	1	End	253
Name	OJ990128_01.9819.C51.o1.np	Method	AAT/NAP
Start	1	End	253
GI	5852172	Score	124
Exons	1..253		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	34500	Seq. ID	OJ990128_01.9819.C51
Gene No.	71374	Strand	+
Start	6005	End	6947
Name	OJ990128_01.9819.C51.o3.np	Method	AAT/NAP
Start	6005	End	6947
GI	4680179	Score	711
Exons	6005..6947		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	34500	Seq. ID	OJ990128_01.9819.C51
Gene No.	71374	Strand	+
Start	6005	End	6947
Name	OJ990128_01.9819.C51.o2.tw	Method	TBLASTX:Wheat
Start	6209	End	6453
GI	none	Score	205
Exons	6209..6235, 6254..6451, 6256..6453		

Seq. No.	34500	Seq. ID	OJ990128_01.9819.C51
Gene No.	71374	Strand	+
Start	6005	End	6947
Name	OJ990128_01.9819.C51.o1.tw	Method	TBLASTX:Wheat
Start	6487	End	6838
GI	none	Score	294
Exons	6487..6681, 6488..6838		

Seq. No.	34500	Seq. ID	OJ990128_01.9819.C51
Gene No.	71374	Strand	+
Start	6005	End	6947
Name	OJ990128_01.9819.C51.o1.tm	Method	TBLASTX:Maize
Start	6488	End	6793
GI	none	Score	233
Exons	6488..6793, 6502..6618		

Seq. No.	34501	Seq. ID	OJ990128_01.9819.C52
Gene No.	71375	Strand	+
Start	1	End	1167
Name	OJ990128_01.9819.C52.o1.np	Method	AAT/NAP
Start	1	End	1167
GI	4680179	Score	1204
Exons	1..1167		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	34501	Seq. ID	OJ990128_01.9819.C52
Gene No.	71375	Strand	+
Start	1	End	1167
Name	OJ990128_01.9819.C52.o2.tw	Method	TBLASTX:Wheat

Start	12	End	380
GI	none	Score	161
Exons	12..221, 68..220, 253..348, 266..379, 267..380		

Seq. No.	34501	Seq. ID	OJ990128_01.9819.C52
Gene No.	71375	Strand	+
Start	1	End	1167
Name	OJ990128_01.9819.C52.o1.gs	Method	GENSCAN
Start	437	End	914
GI	none	Score	.74
Exons	437..914		

Seq. No.	34501	Seq. ID	OJ990128_01.9819.C52
Gene No.	71375	Strand	+
Start	1	End	1167
Name	OJ990128_01.9819.C52.o1.tw	Method	TBLASTX:Wheat
Start	545	End	1031
GI	none	Score	49
Exons	545..988, 549..593, 654..1031		

Seq. No.	34501	Seq. ID	OJ990128_01.9819.C52
Gene No.	71375	Strand	+
Start	1	End	1167
Name	OJ990128_01.9819.C52.o1.tm	Method	TBLASTX:Maize
Start	654	End	1078
GI	none	Score	328
Exons	654..1073, 884..1078		

Seq. No.	34502	Seq. ID	OJ990128_01.9819.C53
Gene No.	71376	Strand	-
Start	359	End	537
Name	OJ990128_01.9819.C53.o1.gs	Method	GENSCAN
Start	359	End	537
GI	none	Score	.48
Exons	359..537		

Seq. No.	34503	Seq. ID	OJ990128_01.9819.C54
Gene No.	71377	Strand	+
Start	361	End	631
Name	OJ990128_01.9819.C54.o1.gs	Method	GENSCAN
Start	361	End	631
GI	none	Score	.59
Exons	361..369, 458..481, 519..631		

Seq. No.	34504	Seq. ID	OJ990128_01.9819.C56
Gene No.	71378	Strand	+
Start	473	End	586
Name	OJ990128_01.9819.C56.o1.gs	Method	GENSCAN
Start	473	End	586
GI	none	Score	.67
Exons	473..586		

Seq. No.	34505	Seq. ID	OJ990128_01.9819.C59
Gene No.	71379	Strand	+
Start	125	End	335
Name	OJ990128_01.9819.C59.o1.gs	Method	GENSCAN
Start	125	End	335

GI	none	Score	.46
Exons	125..335		
Seq. No.	34505	Seq. ID	OJ990128_01.9819.C59
Gene No.	71380	Strand	-
Start	562	End	695
Name	OJ990128_01.9819.C59.o2.gs	Method	GENSCAN
Start	562	End	695
GI	none	Score	.69
Exons	562..695		

Seq. No.	34506	Seq. ID	OJ990128_01.9819.C60
Gene No.	71381	Strand	+
Start	1	End	897
Name	OJ990128_01.9819.C60.o1.np	Method	AAT/NAP
Start	1	End	897
GI	5852180	Score	79
Exons	1..32, 635..897		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	34507	Seq. ID	OJ990128_01.9819.C63
Gene No.	71382	Strand	+
Start	448	End	514
Name	OJ990128_01.9819.C63.o1.gs	Method	GENSCAN
Start	448	End	514
GI	none	Score	.73
Exons	448..514		

Seq. No.	34508	Seq. ID	OJ990128_01.9819.C64
Gene No.	71383	Strand	+
Start	201	End	576
Name	OJ990128_01.9819.C64.o1.gp	Method	AAT/GAP
Start	201	End	576
GI	2427387	Score	731
Exons	201..576		
GI Descrip.	5852170/emb AL117265.1 OST17804 3.0e-94 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	34508	Seq. ID	OJ990128_01.9819.C64
Gene No.	71384	Strand	-
Start	548	End	629
Name	OJ990128_01.9819.C64.o1.gs	Method	GENSCAN
Start	548	End	629
GI	none	Score	.83
Exons	548..629		

Seq. No.	34509	Seq. ID	OJ990128_01.9819.C65
Gene No.	71385	Strand	-
Start	1	End	1282
Name	OJ990128_01.9819.C65.o1.np	Method	AAT/NAP
Start	1	End	1282
GI	4680203	Score	807
Exons	1..1282		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	34509	Seq. ID	OJ990128_01.9819.C65
Gene No.	71385	Strand	-

Start 1
Name OJ990128_01.9819.C65.o2.ts
Start 76
GI none
Exons 76..273, 106..246, 119..274

End 1282
Method TBLASTX:Soybean
End 274
Score 59

Seq. No. 34509
Gene No. 71385
Start 1
Name OJ990128_01.9819.C65.o1.tm
Start 109
GI none
Exons 109..300, 110..301, 310..552, 311..553

Seq. ID OJ990128_01.9819.C65
Strand -
End 1282
Method TBLASTX:Maize
End 553
Score 91

Seq. No. 34509
Gene No. 71385
Start 1
Name OJ990128_01.9819.C65.o1.tw
Start 143
GI none
Exons 143..250, 148..303, 148..300, 347..442, 349..444, 451..555, 458..565, 545..601, 553..609

Seq. ID OJ990128_01.9819.C65
Strand -
End 1282
Method TBLASTX:Wheat
End 609
Score 67

Seq. No. 34509
Gene No. 71385
Start 1
Name OJ990128_01.9819.C65.o1.gs
Start 279
GI none
Exons 279..380, 516..867, 1026..1121

Seq. ID OJ990128_01.9819.C65
Strand -
End 1282
Method GENSCAN
End 1121
Score .45

Seq. No. 34509
Gene No. 71385
Start 1
Name OJ990128_01.9819.C65.o1.tc
Start 397
GI none
Exons 397..738, 398..550, 590..742

Seq. ID OJ990128_01.9819.C65
Strand -
End 1282
Method TBLASTX:Cress
End 742
Score 95

Seq. No. 34509
Gene No. 71385
Start 1
Name OJ990128_01.9819.C65.o1.ts
Start 478
GI none
Exons 478..738, 479..733

Seq. ID OJ990128_01.9819.C65
Strand -
End 1282
Method TBLASTX:Soybean
End 738
Score 132

Seq. No. 34510
Gene No. 71386
Start 339
Name OJ990128_01.9819.C67.o1.gs
Start 339
GI none
Exons 339..443

Seq. ID OJ990128_01.9819.C67
Strand +
End 443
Method GENSCAN
End 443
Score .59

Seq. No. 34511
Gene No. 71387

Seq. ID OJ990128_01.9819.C68
Strand +

Start	324	End	435
Name	OJ990128_01.9819.C68.o1.gs	Method	GENSCAN
Start	324	End	435
GI	none	Score	.6
Exons	324..435		

Seq. No.	34512	Seq. ID	OJ990128_01.9819.C69
Gene No.	71388	Strand	-
Start	457	End	1086
Name	OJ990128_01.9819.C69.o1.gs	Method	GENSCAN
Start	457	End	1086
GI	none	Score	.94
Exons	457..1086		

Seq. No.	34513	Seq. ID	OJ990128_01.9819.C70
Gene No.	71389	Strand	+
Start	1	End	2054
Name	OJ990128_01.9819.C70.o1.np	Method	AAT/NAP
Start	1	End	1557
GI	4680186	Score	244
Exons	1..87, 1327..1557		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	34513	Seq. ID	OJ990128_01.9819.C70
Gene No.	71389	Strand	+
Start	1	End	2054
Name	OJ990128_01.9819.C70.o1.gs	Method	GENSCAN
Start	304	End	2054
GI	none	Score	.4
Exons	304..405, 1202..1255, 1352..1581, 1948..2054		

Seq. No.	34513	Seq. ID	OJ990128_01.9819.C70
Gene No.	71390	Strand	-
Start	1104	End	1485
Name	OJ990128_01.9819.C70.o1.gp	Method	AAT/GAP
Start	1104	End	1485
GI	uC-osflcyp033a04b1	Score	659
Exons	1104..1485		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34513	Seq. ID	OJ990128_01.9819.C70
Gene No.	71391	Strand	-
Start	1947	End	3847
Name	OJ990128_01.9819.C70.o2.np	Method	AAT/NAP
Start	1947	End	3847
GI	6907087	Score	969
Exons	1947..2048, 2591..3255, 3463..3847		
GI Descrip.	(AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34513	Seq. ID	OJ990128_01.9819.C70
Gene No.	71392	Strand	-
Start	6089	End	6370
Name	OJ990128_01.9819.C70.o3.gs	Method	GENSCAN
Start	6089	End	6370

GI none
Exons 6089..6370

Score .93

Seq. No. 34514 Seq. ID OJ990128_01.9819.C71
Gene No. 71393 Strand -
Start 1 End 646
Name OJ990128_01.9819.C71.o1.np Method AAT/NAP
Start 1 End 646
GI 6907087 Score 273
Exons 1..162, 205..646
GI Descrip. (AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 34514 Seq. ID OJ990128_01.9819.C71
Gene No. 71393 Strand -
Start 1 End 646
Name OJ990128_01.9819.C71.o1.gs Method GENSCAN
Start 50 End 409
GI none Score .46
Exons 50..184, 227..409

Seq. No. 34515 Seq. ID OJ990128_01.9819.C73
Gene No. 71394 Strand +
Start 1014 End 2454
Name OJ990128_01.9819.C73.o1.gs Method GENSCAN
Start 1014 End 2454
GI none Score .53
Exons 1014..1148, 1671..1810, 2340..2454

Seq. No. 34515 Seq. ID OJ990128_01.9819.C73
Gene No. 71395 Strand +
Start 5333 End 6431
Name OJ990128_01.9819.C73.o3.gs Method GENSCAN
Start 5333 End 6431
GI none Score .83
Exons 5333..6431

Seq. No. 34515 Seq. ID OJ990128_01.9819.C73
Gene No. 71396 Strand -
Start 3709 End 4352
Name OJ990128_01.9819.C73.o2.gs Method GENSCAN
Start 3709 End 4352
GI none Score .72
Exons 3709..3827, 4232..4352

Seq. No. 34516 Seq. ID OJ990128_01.9819.C74
Gene No. 71397 Strand +
Start 1 End 726
Name OJ990128_01.9819.C74.o1.np Method AAT/NAP
Start 1 End 726
GI 6587849 Score 217
Exons 1..131, 181..726
GI Descrip. (AC006551) Very similar to retrotransposon reverse transcriptase [Arabidopsis thaliana]

Seq. No. 34516 Seq. ID OJ990128_01.9819.C74

Gene No.	71397	Strand	+
Start	1	End	726
Name	OJ990128_01.9819.C74.o1.gs	Method	GENSCAN
Start	271	End	714
GI	none	Score	.54
Exons	271..372, 568..714		

Seq. No.	34516	Seq. ID	OJ990128_01.9819.C74
Gene No.	71398	Strand	+
Start	2688	End	4542
Name	OJ990128_01.9819.C74.o2.gs	Method	GENSCAN
Start	2688	End	3920
GI	none	Score	.73
Exons	2688..3502, 3638..3715, 3791..3920		

Seq. No.	34516	Seq. ID	OJ990128_01.9819.C74
Gene No.	71398	Strand	+
Start	2688	End	4542
Name	OJ990128_01.9819.C74.o3.np	Method	AAT/NAP
Start	3117	End	4542
GI	5852084	Score	90
Exons	3117..3152, 4459..4542		

GI Descrip. (AL117264).zwh0007.1.[Oryza sativa]

Seq. No.	34516	Seq. ID	OJ990128_01.9819.C74
Gene No.	71399	Strand	-
Start	928	End	1552
Name	OJ990128_01.9819.C74.o1.gp	Method	AAT/GAP
Start	928	End	1552
GI	3761363	Score	1142
Exons	928..1552		
GI Descrip.	5852170/emb AL117265.1 OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	34516	Seq. ID	OJ990128_01.9819.C74
Gene No.	71400	Strand	-
Start	1511	End	3647
Name	OJ990128_01.9819.C74.o2.np	Method	AAT/NAP
Start	1511	End	3647
GI	6063554	Score	204
Exons	1511..1684, 3101..3359, 3473..3647		
GI Descrip.	(APQ00615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34516	Seq. ID	OJ990128_01.9819.C74
Gene No.	71400	Strand	-
Start	1511	End	3647
Name	OJ990128_01.9819.C74.o2.gp	Method	AAT/GAP
Start	1751	End	2126
GI	2427387	Score	731
Exons	1751..2126		
GI Descrip.	5852170/emb AL117265.1 OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	34516	Seq. ID	OJ990128_01.9819.C74
Gene No.	71401	Strand	-

Start	3642	End	5040
Name	OJ990128_01.9819.C74.o1.tw	Method	TBLASTX:Wheat
Start	336	End	642
GI	none	Score	288
Exons	336..641, 340..642		

Seq. No.	34516	Seq. ID	OJ990128_01.9819.C74
Gene No.	71401	Strand	-
Start	3642	End	5040
Name	OJ990128_01.9819.C74.o4.np	Method	AAT/NAP
Start	3642	End	5040
GI	226661	Score	55
Exons	3642..3665, 4792..4863, 4936..5040		
GI Descrip.	trnA intron ORF 109 [Oryza sativa]		

Seq. No.	34516	Seq. ID	OJ990128_01.9819.C74
Gene No.	71401	Strand	-
Start	3642	End	5040
Name	OJ990128_01.9819.C74.o3.gp	Method	AAT/GAP
Start	4793	End	4852
GI	688_1.R1084	Score	76
Exons	4793..4852		

GI Descrip.	226661/prf.1.1603356CM.6.0e-54.trnA intron ORF 109 [Oryza sativa]		
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Seq. No.	34517	Seq. ID	OJ990128_01.9819.C75
Gene No.	71402	Strand	-
Start	117	End	3393
Name	OJ990128_01.9819.C75.o1.gs	Method	GENSCAN
Start	117	End	3393
GI	none	Score	.75
Exons	117..191, 568..850, 931..1101, 1179..2023, 2271..2477, 2692..2911, 3167..3393		

Seq. No.	34518	Seq. ID	OJ990128_01.9819.C76
Gene No.	71403	Strand	-
Start	1104	End	1628
Name	OJ990128_01.9819.C76.o1.gs	Method	GENSCAN
Start	1104	End	1628
GI	none	Score	.43
Exons	1104..1312, 1388..1513, 1515..1628		

Seq. No.	34519	Seq. ID	OJ990128_01.9819.C77
Gene No.	71404	Strand	-
Start	322	End	615
Name	OJ990128_01.9819.C77.o1.gs	Method	GENSCAN
Start	322	End	615
GI	none	Score	.67
Exons	322..615		

Seq. No.	34520	Seq. ID	OJ990128_01.9819.C79
Gene No.	71405	Strand	+
Start	1	End	869
Name	OJ990128_01.9819.C79.o1.np	Method	AAT/NAP
Start	1	End	869
GI	6742729	Score	1063
Exons	1..869		

GI Descrip. (AF121139) RIM2 protein [Oryza sativa]

Seq. No.	34520	Seq. ID	OJ990128_01.9819.C79
Gene No.	71405	Strand	+
Start	1	End	869
Name	OJ990128_01.9819.C79.o1.tm	Method	TBLASTX:Maize
Start	70	End	528
GI	none	Score	219
Exons	70..309, 72..323, 82..324, 334..528		

Seq. No.	34520	Seq. ID	OJ990128_01.9819.C79
Gene No.	71405	Strand	+
Start	1	End	869
Name	OJ990128_01.9819.C79.o1.tw	Method	TBLASTX:Wheat
Start	78	End	494
GI	none	Score	158
Exons	78..179, 79..183, 79..201, 187..300, 192..284, 265..492, 285..494, 291..494		

Seq. No.	34520	Seq. ID	OJ990128_01.9819.C79
Gene No.	71405	Strand	+
Start	1	End	869
Name	OJ990128_01.9819.C79.o1.ts	Method	TBLASTX:Soybean
Start	358	End	600
GI	none	Score	206
Exons	358..600		

Seq. No.	34520	Seq. ID	OJ990128_01.9819.C79
Gene No.	71405	Strand	+
Start	1	End	869
Name	OJ990128_01.9819.C79.o2.tw	Method	TBLASTX:Wheat
Start	589	End	780
GI	none	Score	107
Exons	589..711, 591..734, 708..779, 709..780		

Seq. No.	34521	Seq. ID	OJ990128_01.9819.C80
Gene No.	71406	Strand	+
Start	1	End	1237
Name	OJ990128_01.9819.C80.o1.np	Method	AAT/NAP
Start	1	End	1237
GI	6742729	Score	965
Exons	1..1237		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	34521	Seq. ID	OJ990128_01.9819.C80
Gene No.	71406	Strand	+
Start	1	End	1237
Name	OJ990128_01.9819.C80.o1.gs	Method	GENSCAN
Start	9	End	974
GI	none	Score	.59
Exons	9..72, 160..297, 319..408, 503..575, 791..974		

Seq. No.	34521	Seq. ID	OJ990128_01.9819.C80
Gene No.	71406	Strand	+
Start	1	End	1237
Name	OJ990128_01.9819.C80.o2.tm	Method	TBLASTX:Maize
Start	78	End	269

GI	none	Score	217
Exons	78..269, 80..268		
Seq. No.	34521	Seq. ID	OJ990128_01.9819.C80
Gene No.	71406	Strand	+
Start	1	End	1237
Name	OJ990128_01.9819.C80.ol.tw	Method	TBLASTX:Wheat
Start	405	End	1234
GI	none	Score	512
Exons	405..947, 449..949, 954..1154, 1007..1144, 1152..1232, 1161..1232, 1162..1233, 1163..1234, 1166..1234		
Seq. No.	34521	Seq. ID	OJ990128_01.9819.C80
Gene No.	71406	Strand	+
Start	1	End	1237
Name	OJ990128_01.9819.C80.ol.tm	Method	TBLASTX:Maize
Start	446	End	761
GI	none	Score	291
Exons	446..742, 447..761		
Seq. No.	34521	Seq. ID	OJ990128_01.9819.C80
Gene No.	71406	Strand	+
Start	1	End	1237
Name	OJ990128_01.9819.C80.ol.tc	Method	TBLASTX:Cress
Start	696	End	1118
GI	none	Score	231
Exons	696..947, 704..949, 954..1118, 1007..1114		
Seq. No.	34522	Seq. ID	OJ990128_01.9819.C81
Gene No.	71407	Strand	-
Start	1	End	629
Name	OJ990128_01.9819.C81.ol.np	Method	AAT/NAP
Start	1	End	629
GI	1345502	Score	407
Exons	1..629		
GI Descrip.	(X57297) TNP2 [Antirrhinum majus]		
Seq. No.	34522	Seq. ID	OJ990128_01.9819.C81
Gene No.	71407	Strand	-
Start	1	End	629
Name	OJ990128_01.9819.C81.ol.tw	Method	TBLASTX:Wheat
Start	78	End	263
GI	none	Score	113
Exons	78..263, 79..219		
Seq. No.	34522	Seq. ID	OJ990128_01.9819.C81
Gene No.	71407	Strand	-
Start	1	End	629
Name	OJ990128_01.9819.C81.ol.tm	Method	TBLASTX:Maize
Start	399	End	560
GI	none	Score	69
Exons	399..560, 400..519		
Seq. No.	34523	Seq. ID	OJ990128_01.9819.C82
Gene No.	71408	Strand	-
Start	1	End	873
Name	OJ990128_01.9819.C82.ol.np	Method	AAT/NAP

Start	1	End	873
GI	4680179	Score	1138
Exons	1..873		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	34523	Seq. ID	OJ990128_01.9819.C82
Gene No.	71408	Strand	-
Start	1	End	873
Name	OJ990128_01.9819.C82.o1.tw	Method	TBLASTX:Wheat
Start	107	End	610
GI	none	Score	248
Exons	107..610, 185..547, 189..578		

Seq. No.	34523	Seq. ID	OJ990128_01.9819.C82
Gene No.	71408	Strand	-
Start	1	End	873
Name	OJ990128_01.9819.C82.o1.tm	Method	TBLASTX:Maize
Start	176	End	539
GI	none	Score	170
Exons	176..538, 185..538, 189..539		

Seq. No.	34523	Seq. ID	OJ990128_01.9819.C82
Gene No.	71408	Strand	-
Start	1	End	873
Name	OJ990128_01.9819.C82.o2.ts	Method	TBLASTX:Soybean
Start	359	End	604
GI	none	Score	66
Exons	359..604, 459..587		

Seq. No.	34523	Seq. ID	OJ990128_01.9819.C82
Gene No.	71408	Strand	-
Start	1	End	873
Name	OJ990128_01.9819.C82.o2.tm	Method	TBLASTX:Maize
Start	545	End	811
GI	none	Score	134
Exons	545..811, 546..758		

Seq. No.	34523	Seq. ID	OJ990128_01.9819.C82
Gene No.	71408	Strand	-
Start	1	End	873
Name	OJ990128_01.9819.C82.o2.tw	Method	TBLASTX:Wheat
Start	611	End	855
GI	none	Score	123
Exons	611..811, 617..826, 627..833, 832..855		

Seq. No.	34523	Seq. ID	OJ990128_01.9819.C82
Gene No.	71408	Strand	-
Start	1	End	873
Name	OJ990128_01.9819.C82.o1.ts	Method	TBLASTX:Soybean
Start	626	End	818
GI	none	Score	108
Exons	626..811, 627..818		

Seq. No.	34524	Seq. ID	OJ990128_01.9819.C83
Gene No.	71409	Strand	+
Start	131	End	1036
Name	OJ990128_01.9819.C83.o1.gs	Method	GENSCAN

Start 131
 GI none
 Exons 131..349, 455..1036

End 1036
 Score .51

Seq. No. 34525
 Gene No. 71410
 Start 443
 Name OJ990128_01.9819.C84.ol.gs
 Start 443
 GI none
 Exons 443..681

Seq. ID OJ990128_01.9819.C84
 Strand -
 End 681
 Method GENSCAN
 End 681
 Score .82

Seq. No. 34526
 Gene No. 71411
 Start 745
 Name OJ990128_01.9819.C87.ol.gs
 Start 745
 GI none
 Exons 745..791, 1111..1442, 1498..1700

Seq. ID OJ990128_01.9819.C87
 Strand +
 End 1700
 Method GENSCAN
 End 1700
 Score .55

Seq. No. 34526
 Gene No. 71411
 Start 745
 Name OJ990128_01.9819.C87.ol.gp
 Start 890
 GI 701140
 Exons 890..1196

Seq. ID OJ990128_01.9819.C87
 Strand +
 End 1700
 Method AAT/GAP
 End 1196
 Score 583

Seq. No. 34527
 Gene No. 71412
 Start 68
 Name OJ990128_01.9819.C89.ol.gs
 Start 68
 GI none
 Exons 68..154, 233..381

Seq. ID OJ990128_01.9819.C89
 Strand -
 End 381
 Method GENSCAN
 End 381
 Score .59

Seq. No. 34528
 Gene No. 71413
 Start 1
 Name OJ990128_01.9819.C90.ol.np
 Start 1
 GI 4680179
 Exons 1..705, 733..851

Seq. ID OJ990128_01.9819.C90
 Strand -
 End 851
 Method AAT/NAP
 End 851
 Score 787

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No. 34528
 Gene No. 71413
 Start 1
 Name OJ990128_01.9819.C90.ol.tm
 Start 73
 GI none
 Exons 73..270, 122..232

Seq. ID OJ990128_01.9819.C90
 Strand -
 End 851
 Method TBLASTX:Maize
 End 270
 Score 104

Seq. No. 34528
 Gene No. 71413
 Start 1
 Name OJ990128_01.9819.C90.ol.tw

Seq. ID OJ990128_01.9819.C90
 Strand -
 End 851
 Method TBLASTX:Wheat

Start	94	End	450
GI	none	Score	88
Exons	94..231, 122..223, 238..450, 323..391		

Seq. No.	34528	Seq. ID	OJ990128_01.9819.C90
Gene No.	71413	Strand	-
Start	1	End	851
Name	OJ990128_01.9819.C90.o2.tm	Method	TBLASTX:Maize
Start	361	End	681
GI	none	Score	69
Exons	361..681, 545..637		

Seq. No.	34528	Seq. ID	OJ990128_01.9819.C90
Gene No.	71413	Strand	-
Start	1	End	851
Name	OJ990128_01.9819.C90.o2.tw	Method	TBLASTX:Wheat
Start	478	End	795
GI	none	Score	86
Exons	478..675, 488..643, 748..795		

Seq. No.	34529	Seq. ID	OJ990128_01.9819.C91
Gene No.	71414	Strand	+
Start	3193	End	3593
Name	OJ990128_01.9819.C91.o2.np	Method	AAT/NAP
Start	2212	End	3593
GI	5852179	Score	236
Exons	2212..2232, 3056..3139, 3171..3293, 3367..3593		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	34529	Seq. ID	OJ990128_01.9819.C91
Gene No.	71414	Strand	+
Start	3193	End	3593
Name	OJ990128_01.9819.C91.o2.gs	Method	GENSCAN
Start	3193	End	3561
GI	none	Score	.56
Exons	3193..3561		

Seq. No.	34529	Seq. ID	OJ990128_01.9819.C91
Gene No.	71415	Strand	-
Start	180	End	976
Name	OJ990128_01.9819.C91.o1.np	Method	AAT/NAP
Start	180	End	976
GI	4512231	Score	1228
Exons	180..976		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	34529	Seq. ID	OJ990128_01.9819.C91
Gene No.	71415	Strand	-
Start	180	End	976
Name	OJ990128_01.9819.C91.o1.gs	Method	GENSCAN
Start	182	End	790
GI	none	Score	.87
Exons	182..790		

Seq. No.	34530	Seq. ID	OJ990128_01.9819.C92
Gene No.	71416	Strand	+
Start	580	End	2054

Name	OJ990128_01.9819.C92.o1.tm	Method	TBLASTX:Maize
Start	532	End	737
GI	none	Score	128
Exons	532..618, 537..644, 538..645, 645..737, 648..728, 650..736		

Seq. No.	34530	Seq. ID	OJ990128_01.9819.C92
Gene No.	71416	Strand	+
Start	580	End	2054
Name	OJ990128_01.9819.C92.o1.gs	Method	GENSCAN
Start	580	End	1492
GI	none	Score	.51
Exons	580..649, 685..863, 1235..1492		

Seq. No.	34530	Seq. ID	OJ990128_01.9819.C92
Gene No.	71416	Strand	+
Start	580	End	2054
Name	OJ990128_01.9819.C92.o2.np	Method	AAT/NAP
Start	1313	End	2054
GI	6635860	Score	174
Exons	1313..1492, 1724..2054		
GI Descrip.	(AF216313) cytochrome P450 [Helianthus annuus]		

Seq. No.	34531	Seq. ID	OJ990128_01.9819.C94
Gene No.	71417	Strand	-
Start	1015	End	2370
Name	OJ990128_01.9819.C94.o1.gs	Method	GENSCAN
Start	1015	End	2256
GI	none	Score	.43
Exons	1015..2256		

Seq. No.	34531	Seq. ID	OJ990128_01.9819.C94
Gene No.	71417	Strand	-
Start	1015	End	2370
Name	OJ990128_01.9819.C94.o1.tw	Method	TBLASTX:Wheat
Start	1090	End	2308
GI	none	Score	53
Exons	1090..1182, 1091..1156, 1107..1178, 1171..1239, 1187..1246, 1199..1252, 1256..1336, 1258..1374, 1265..1405, 1282..1404, 1352..1447, 1384..1443, 1449..1496, 1450..1494, 1454..1495, 1519..2301, 1520..2302, 1715..2308		

Seq. No.	34531	Seq. ID	OJ990128_01.9819.C94
Gene No.	71417	Strand	-
Start	1015	End	2370
Name	OJ990128_01.9819.C94.o1.np	Method	AAT/NAP
Start	1574	End	2370
GI	6742729	Score	1070
Exons	1574..2370		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	34531	Seq. ID	OJ990128_01.9819.C94
Gene No.	71417	Strand	-
Start	1015	End	2370
Name	OJ990128_01.9819.C94.o1.tc	Method	TBLASTX:Cress
Start	1672	End	2119
GI	none	Score	106
Exons	1672..1821, 1672..2115, 1676..2119, 1682..2119		

Seq. No.	34531	Seq. ID	OJ990128_01.9819.C94
Gene No.	71417	Strand	-
Start	1015	End	2370
Name	OJ990128_01.9819.C94.o1.tm	Method	TBLASTX:Maize
Start	2050	End	2298
GI	none	Score	115
Exons	2050..2298, 2078..2278		

Seq. No.	34532	Seq. ID	OJ990128_01.9819.C96
Gene No.	71418	Strand	+
Start	175	End	339
Name	OJ990128_01.9819.C96.o1.gs	Method	GENSCAN
Start	175	End	339
GI	none	Score	.98
Exons	175..339		

Seq. No.	34532	Seq. ID	OJ990128_01.9819.C96
Gene No.	71419	Strand	-
Start	1874	End	3000
Name	OJ990128_01.9819.C96.o2.gs	Method	GENSCAN
Start	1874	End	3000
GI	none	Score	.78
Exons	1874..2084, 2912..3000		

Seq. No.	34533	Seq. ID	OJ990128_01.9819.C97
Gene No.	71420	Strand	+
Start	151	End	272
Name	OJ990128_01.9819.C97.o1.gs	Method	GENSCAN
Start	151	End	272
GI	none	Score	.86
Exons	151..272		

Seq. No.	34534	Seq. ID	OJ990128_01.9819.C98
Gene No.	71421	Strand	+
Start	1	End	902
Name	OJ990128_01.9819.C98.o1.np	Method	AAT/NAP
Start	1	End	899
GI	2126090	Score	1452
Exons	1..899		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi 455676 bbs 140379.1(S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-I, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi 6634720 gb AAF19728.1 AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	34534	Seq. ID	OJ990128_01.9819.C98
Gene No.	71421	Strand	+
Start	1	End	902
Name	OJ990128_01.9819.C98.o1.gs	Method	GENSCAN
Start	88	End	902
GI	none	Score	.55
Exons	88..902		

Seq. No.	34535	Seq. ID	OJ990128_01.9819.C103
Gene No.	71422	Strand	-

Start	1	End	593
Name	OJ990128_01.9819.C103.o1.np	Method	AAT/NAP
Start	1	End	593
GI	6907087	Score	97
Exons	1..593		
GI Descrip.	(AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34535	Seq. ID	OJ990128_01.9819.C103
Gene No.	71422	Strand	-
Start	1	End	593
Name	OJ990128_01.9819.C103.o1.gs	Method	GENSCAN
Start	174	End	508
GI	none	Score	.82
Exons	174..320, 416..508		

Seq. No.	34536	Seq. ID	OJ990128_01.9819.C104
Gene No.	71423	Strand	-
Start	1	End	223
Name	OJ990128_01.9819.C104.o1.np	Method	AAT/NAP
Start	1	End	223
GI	1196996	Score	234
Exons	1..223		
GI Descrip.	(J01829) unknown protein [Transposon Tn10]		

Seq. No.	34536	Seq. ID	OJ990128_01.9819.C104
Gene No.	71424	Strand	
Start	183	End	341
Name	OJ990128_01.9819.C104.o1.tc	Method	TBLASTX:Cress
Start	183	End	341
GI	none	Score	201
Exons	183..341, 183..302, 185..340		

Seq. No.	34537	Seq. ID	OJ990128_01.9819.C106
Gene No.	71425	Strand	+
Start	183	End	3211
Name	OJ990128_01.9819.C106.o1.gs	Method	GENSCAN
Start	183	End	3211
GI	none	Score	.52
Exons	183..681, 859..1148, 1626..1651, 1878..2150, 2188..2276, 2406..2455, 2534..3211		

Seq. No.	34537	Seq. ID	OJ990128_01.9819.C106
Gene No.	71426	Strand	+
Start	6105	End	9439
Name	OJ990128_01.9819.C106.o3.np	Method	AAT/NAP
Start	6105	End	8054
GI	4680186	Score	241
Exons	6105..6124, 7849..8054		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	34537	Seq. ID	OJ990128_01.9819.C106
Gene No.	71426	Strand	+
Start	6105	End	9439
Name	OJ990128_01.9819.C106.o4.gs	Method	GENSCAN
Start	7942	End	9439

GI	none	Score	.92
Exons	7942..8002, 8448..8534, 8829..9439		

Seq. No.	34537	Seq. ID	OJ990128_01.9819.C106
Gene No.	71427	Strand	-
Start	3569	End	9721
Name	OJ990128_01.9819.C106.o1.ts	Method	TBLASTX:Soybean
Start	3558	End	3808
GI	none	Score	52
Exons	3558..3599, 3563..3808, 3636..3806, 3641..3808		

Seq. No.	34537	Seq. ID	OJ990128_01.9819.C106
Gene No.	71427	Strand	-
Start	3569	End	9721
Name	OJ990128_01.9819.C106.o1.np	Method	AAT/NAP
Start	3569	End	9721
GI	4544372	Score	393
Exons	3569..4476, 9663..9721		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	34537	Seq. ID	OJ990128_01.9819.C106
Gene No.	71427	Strand	-
Start	3569	End	9721
Name	OJ990128_01.9819.C106.o1.tw	Method	TBLASTX:Wheat
Start	3584	End	3991
GI	none	Score	121
Exons	3584..3991, 3618..3983		

Seq. No.	34537	Seq. ID	OJ990128_01.9819.C106
Gene No.	71427	Strand	-
Start	3569	End	9721
Name	OJ990128_01.9819.C106.o2.ts	Method	TBLASTX:Soybean
Start	4151	End	4484
GI	none	Score	82
Exons	4151..4483, 4329..4484		

Seq. No.	34537	Seq. ID	OJ990128_01.9819.C106
Gene No.	71427	Strand	-
Start	3569	End	9721
Name	OJ990128_01.9819.C106.o2.np	Method	AAT/NAP
Start	5118	End	9273
GI	6063554	Score	191
Exons	5118..5298, 5940..5970, 6575..6864, 9135..9273		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34537	Seq. ID	OJ990128_01.9819.C106
Gene No.	71427	Strand	-
Start	3569	End	9721
Name	OJ990128_01.9819.C106.o3.gs	Method	GENSCAN
Start	6431	End	7804
GI	none	Score	.67
Exons	6431..6542, 6562..6824, 7733..7804		

Seq. No.	34537	Seq. ID	OJ990128_01.9819.C106
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Gene No.	71427	Strand	-
Start	3569	End	9721
Name	OJ990128_01.9819.C106.o2.gp	Method	AAT/GAP
Start	7601	End	7982
GI	uC-osflcyp033a04b1	Score	675
Exons	7601..7982		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34537	Seq. ID	OJ990128_01.9819.C106
Gene No.	71427	Strand	-
Start	3569	End	9721
Name	OJ990128_01.9819.C106.o4.np	Method	AAT/NAP
Start	8447	End	9721
GI	6907087	Score	520
Exons	8447..8548, 9087..9721		
GI Descrip.	(AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34538	Seq. ID	OJ990128_01.9819.C107
Gene No.	71428	Strand	-
Start	188	End	1090
Name	OJ990128_01.9819.C107.o1.gs	Method	GENSCAN
Start	188	End	1090
GI	none	Score	.48
Exons	188..372, 787..1090		

Seq. No.	34539	Seq. ID	OJ990128_01.9819.C108
Gene No.	71429	Strand	+
Start	753	End	858
Name	OJ990128_01.9819.C108.o1.gs	Method	GENSCAN
Start	753	End	858
GI	none	Score	.94
Exons	753..858		

Seq. No.	34539	Seq. ID	OJ990128_01.9819.C108
Gene No.	71430	Strand	+
Start	3902	End	5560
Name	OJ990128_01.9819.C108.o2.gs	Method	GENSCAN
Start	3902	End	5560
GI	none	Score	.47
Exons	3902..4033, 4687..4860, 5417..5560		

Seq. No.	34540	Seq. ID	OJ990128_01.9819.C109
Gene No.	71431	Strand	+
Start	804	End	1229
Name	OJ990128_01.9819.C109.o1.gs	Method	GENSCAN
Start	804	End	1229
GI	none	Score	.98
Exons	804..1229		

Seq. No.	34541	Seq. ID	OJ990128_01.9819.C110
Gene No.	71432	Strand	-
Start	554	End	1753
Name	OJ990128_01.9819.C110.o1.gp	Method	AAT/GAP
Start	554	End	1017

GI	1632621	Score	867
Exons	554..1017		
Seq. No.	34541	Seq. ID	OJ990128_01.9819.C110
Gene No.	71432	Strand	-
Start	554	End	1753
Name	OJ990128_01.9819.C110.o1.np	Method	AAT/NAP
Start	628	End	1753
GI	5042333	Score	143
Exons	628..871, 1679..1753		
GI Descrip.	(AJ133531) BETL4 protein [Zea mays]		
Seq. No.	34541	Seq. ID	OJ990128_01.9819.C110
Gene No.	71432	Strand	-
Start	554	End	1753
Name	OJ990128_01.9819.C110.o1.tm	Method	TBLASTX:Maize
Start	653	End	898
GI	none	Score	69
Exons	653..865, 701..898		
Seq. No.	34541	Seq. ID	OJ990128_01.9819.C110
Gene No.	71432	Strand	-
Start	554	End	1753
Name	OJ990128_01.9819.C110.o1.gs	Method	GENSCAN
Start	663	End	1027
GI	none	Score	.58
Exons	663..786, 822..1027		
Seq. No.	34542	Seq. ID	OJ990128_01.9819.C111
Gene No.	71433	Strand	-
Start	657	End	1899
Name	OJ990128_01.9819.C111.o1.gs	Method	GENSCAN
Start	657	End	1801
GI	none	Score	.67
Exons	657..1319, 1592..1801		
Seq. No.	34542	Seq. ID	OJ990128_01.9819.C111
Gene No.	71433	Strand	-
Start	657	End	1899
Name	OJ990128_01.9819.C111.o1.np	Method	AAT/NAP
Start	1592	End	1899
GI	6539588	Score	88
Exons	1592..1899		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	34543	Seq. ID	OJ990128_01.9819.C114
Gene No.	71434	Strand	+
Start	1	End	2110
Name	OJ990128_01.9819.C114.o1.np	Method	AAT/NAP
Start	1	End	2110
GI	4680203	Score	403
Exons	1..195, 678..1325, 2069..2110		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	34543	Seq. ID	OJ990128_01.9819.C114
Gene No.	71434	Strand	+
Start	1	End	2110

Name	OJ990128_01.9819.C114.ol.tw	Method	TBLASTX:Wheat
Start	743	End	1169
GI	none	Score	112
Exons	743..865, 744..872, 768..914, 873..956, 881..955, 947..1012, 954..1001, 1019..1102, 1020..1169		

Seq. No.	34543	Seq. ID	OJ990128_01.9819.C114
Gene No.	71434	Strand	+
Start	1	End	2110
Name	OJ990128_01.9819.C114.ol.tm	Method	TBLASTX:Maize
Start	765	End	1211
GI	none	Score	149
Exons	765..884, 771..1001, 1020..1211		

Seq. No.	34543	Seq. ID	OJ990128_01.9819.C114
Gene No.	71434	Strand	+
Start	1	End	2110
Name	OJ990128_01.9819.C114.ol.gs	Method	GENSCAN
Start	1029	End	1316
GI	none	Score	.56
Exons	1029..1316		

Seq. No.	34543	Seq. ID	OJ990128_01.9819.C114
Gene No.	71434	Strand	+
Start	1	End	2110
Name	OJ990128_01.9819.C114.ol.ts	Method	TBLASTX:Soybean
Start	1044	End	1283
GI	none	Score	196
Exons	1044..1283		

Seq. No.	34544	Seq. ID	OJ990128_02.9819.C1
Gene No.	71435	Strand	+
Start	227	End	994
Name	OJ990128_02.9819.C1.ol.np	Method	AAT/NAP
Start	227	End	994
GI	6815053	Score	320
Exons	227..323, 482..711, 757..994		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	34545	Seq. ID	OJ990128_02.9819.C3
Gene No.	71436	Strand	-
Start	1	End	696
Name	OJ990128_02.9819.C3.ol.np	Method	AAT/NAP
Start	1	End	696
GI	4680180	Score	93
Exons	1..162, 678..696		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	34546	Seq. ID	OJ990128_02.9819.C4
Gene No.	71437	Strand	-
Start	136	End	243
Name	OJ990128_02.9819.C4.ol.gs	Method	GENSCAN
Start	136	End	243
GI	none	Score	.58
Exons	136..243		

Seq. No.	34547	Seq. ID	OJ990128_02.9819.C6
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Gene No.	71438	Strand	-
Start	1	End	428
Name	OJ990128_02.9819.C6.o1.np	Method	AAT/NAP
Start	1	End	428
GI	5902446	Score	375
Exons	1..428		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	34547	Seq. ID	OJ990128_02.9819.C6
Gene No.	71438	Strand	-
Start	1	End	428
Name	OJ990128_02.9819.C6.o1.gs	Method	GENSCAN
Start	110	End	185
GI	none	Score	.4
Exons	110..185		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71439	Strand	+
Start	11765	End	15730
Name	OJ990128_02.9819.C7.o3.gs	Method	GENSCAN
Start	11765	End	15730
GI	none	Score	.79
Exons	11765..11804, 12039..12307, 12518..12604, 12694..13236, 13465..13745, 13826..14042, 14233..14655, 14888..14971, 15050..15730		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71440	Strand	+
Start	24181	End	27895
Name	OJ990128_02.9819.C7.o6.gs	Method	GENSCAN
Start	24181	End	27895
GI	none	Score	.88
Exons	24181..24391, 25029..25143, 25263..25410, 25444..25867, 25960..26161, 26290..26372, 26377..26402, 27836..27895		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71440	Strand	+
Start	24181	End	27895
Name	OJ990128_02.9819.C7.o5.np	Method	AAT/NAP
Start	25398	End	25739
GI	82091	Score	138
Exons	25398..25632, 25691..25739		
GI Descrip.	hydroxyproline-rich glycoprotein - tomato (fragment) gi 170454 (M11759) cell wall hydroxyproline-rich glycoprotein [Lycopersicon esculentum] gi 224726 prf 1111324A glycoprotein, Hyp rich [Lycopersicon esculentum]		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71440	Strand	+
Start	24181	End	27895
Name	OJ990128_02.9819.C7.o6.np	Method	AAT/NAP
Start	27263	End	27389
GI	6721561	Score	90
Exons	27263..27389		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976)		

corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71441	Strand	+
Start	29488	End	30590
Name	OJ990128_02.9819.C7.o7.np	Method	AAT/NAP
Start	29488	End	30590
GI	6815053	Score	612
Exons	29488..29634, 30132..30306, 30352..30590		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71442	Strand	+
Start	31600	End	32167
Name	OJ990128_02.9819.C7.o7.gs	Method	GENSCAN
Start	31600	End	32167
GI	none	Score	.5
Exons	31600..31701, 31910..32167		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71443	Strand	+
Start	43839	End	46772
Name	OJ990128_02.9819.C7.o13.np	Method	AAT/NAP
Start	43839	End	46766
GI	6691716	Score	2313
Exons	43839..44723, 44903..45066, 45137..45185, 45309..45555, 45630..45817, 45887..45988, 46137..46248, 46327..46766		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71443	Strand	+
Start	43839	End	46772
Name	OJ990128_02.9819.C7.o9.gs	Method	GENSCAN
Start	43839	End	46772
GI	none	Score	.79
Exons	43839..43968, 44542..44723, 44858..45066, 45137..45555, 45630..45817, 45887..46076, 46147..46248, 46327..46403, 46434..46772		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71444	Strand	+
Start	52234	End	53068
Name	OJ990128_02.9819.C7.o11.gs	Method	GENSCAN
Start	52234	End	53068
GI	none	Score	.82
Exons	52234..52244, 52564..53068		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71445	Strand	+
Start	55753	End	58900
Name	OJ990128_02.9819.C7.o13.gs	Method	GENSCAN
Start	55753	End	58900
GI	none	Score	.49
Exons	55753..56188, 56227..57680, 58031..58208, 58314..58900		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71446	Strand	+
Start	58975	End	62096
Name	OJ990128_02.9819.C7.o16.np	Method	AAT/NAP
Start	58975	End	62093
GI	5902445	Score	3103
Exons	58975..60817, 60857..62093		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71446	Strand	+
Start	58975	End	62096
Name	OJ990128_02.9819.C7.o14.gs	Method	GENSCAN
Start	59164	End	62096
GI	none	Score	.78
Exons	59164..60629, 60708..61385, 61409..62096		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71447	Strand	+
Start	68095	End	70936
Name	OJ990128_02.9819.C7.o20.np	Method	AAT/NAP
Start	68095	End	70936
GI	5911167	Score	1489
Exons	68095..68166, 68570..70708, 70807..70936		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71448	Strand	+
Start	71190	End	73220
Name	OJ990128_02.9819.C7.o21.np	Method	AAT/NAP
Start	71190	End	73220
GI	5732031	Score	290
Exons	71190..71322, 71406..71906, 73122..73220		
GI Descrip.	(AF147260) No definition line found [Arabidopsis thaliana]		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71449	Strand	+
Start	75010	End	76942
Name	OJ990128_02.9819.C7.o2.gp	Method	AAT/GAP
Start	75010	End	76210
GI	3548947	Score	1222
Exons	75010..75480, 75800..76064, 76170..76210		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71449	Strand	+
Start	75010	End	76942
Name	OJ990128_02.9819.C7.o17.gs	Method	GENSCAN
Start	75804	End	76942
GI	none	Score	.81
Exons	75804..76065, 76172..76278, 76537..76740, 76850..76942		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71450	Strand	-
Start	1243	End	53140
Name	OJ990128_02.9819.C7.o2.np	Method	AAT/NAP
Start	1243	End	53061

GI 6691191 Score 936
Exons 1243..1295, 16083..17421, 17752..19198, 46676..46848,
52973..53061

GI Descrip. (AC007534) F7F22.15 [Arabidopsis thaliana]

Seq. No. 34548 Seq. ID OJ990128_02.9819.C7
Gene No. 71450 Strand -
Start 1243 End 53140
Name OJ990128_02.9819.C7.o2.gs Method GENSCAN
Start 3962 End 10200
GI none Score .7
Exons 3962..4192, 5415..5447, 5767..5892, 6070..6182, 10173..10200

Seq. No. 34548 Seq. ID OJ990128_02.9819.C7
Gene No. 71450 Strand -
Start 1243 End 53140
Name OJ990128_02.9819.C7.o3.np Method AAT/NAP
Start 16084 End 19196
GI 4544372 Score 1225
Exons 16084..17660, 17770..18161, 18222..19196
GI Descrip. (AC006920) putative retroelement pol polyprotein [Arabidopsis
thaliana]

Seq. No. 34548 Seq. ID OJ990128_02.9819.C7
Gene No. 71450 Strand -
Start 1243 End 53140
Name OJ990128_02.9819.C7.o4.gs Method GENSCAN
Start 16357 End 17760
GI none Score .92
Exons 16357..17760

Seq. No. 34548 Seq. ID OJ990128_02.9819.C7
Gene No. 71450 Strand -
Start 1243 End 53140
Name OJ990128_02.9819.C7.o5.gs Method GENSCAN
Start 18644 End 22854
GI none Score .69
Exons 18644..19185, 19282..19382, 19498..21059, 21402..21824,
22057..22151, 22275..22502, 22812..22854

Seq. No. 34548 Seq. ID OJ990128_02.9819.C7
Gene No. 71450 Strand -
Start 1243 End 53140
Name OJ990128_02.9819.C7.o8.gs Method GENSCAN
Start 33057 End 41530
GI none Score .52
Exons 33057..34121, 34426..34546, 35407..35479, 35484..35577,
35758..36851, 36898..38233, 38917..39780, 39831..40390,
41056..41111, 41166..41530

Seq. No. 34548 Seq. ID OJ990128_02.9819.C7
Gene No. 71450 Strand -
Start 1243 End 53140
Name OJ990128_02.9819.C7.o8.np Method AAT/NAP
Start 35089 End 38161
GI 6630685 Score 4484
Exons 35089..37799, 38090..38161

GI Descrip. (AP000969) Similar to copia-type pol polyprotein. (AF105716)
[Oryza sativa]

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71450	Strand	-
Start	1243	End	53140
Name	OJ990128_02.9819.C7.o11.np	Method	AAT/NAP
Start	36890	End	40342
GI	4416301	Score	505
Exons	36890..36979, 38641..38737, 38840..39513, 39547..40342		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71450	Strand	-
Start	1243	End	53140
Name	OJ990128_02.9819.C7.o10.np	Method	AAT/NAP
Start	38197	End	40363
GI	4416301	Score	510
Exons	38197..38360, 38830..39513, 39547..40363		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71450	Strand	-
Start	1243	End	53140
Name	OJ990128_02.9819.C7.o12.np	Method	AAT/NAP
Start	39954	End	41594
GI	4185309	Score	225
Exons	39954..40315, 41547..41594		
GI Descrip.	(AF090446) unknown [Zea mays]		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71450	Strand	-
Start	1243	End	53140
Name	OJ990128_02.9819.C7.o14.np	Method	AAT/NAP
Start	47091	End	50138
GI	5902445	Score	4489
Exons	47091..50138		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71450	Strand	-
Start	1243	End	53140
Name	OJ990128_02.9819.C7.o15.np	Method	AAT/NAP
Start	52241	End	53140
GI	5852178	Score	382
Exons	52241..52341, 52704..52803, 52835..53140		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71451	Strand	-
Start	53845	End	55330
Name	OJ990128_02.9819.C7.o12.gs	Method	GENSCAN
Start	53845	End	55330
GI	none	Score	.5
Exons	53845..54303, 54337..54923, 55150..55256, 55299..55330		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
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Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o8.ts	Method	TBLASTX:Soybean
Start	16073	End	62033
GI	none	Score	42
Exons	16073..16114, 16078..16323, 16151..16285, 61866..61976, 61959..62033		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o5.tw	Method	TBLASTX:Wheat
Start	16093	End	62084
GI	none	Score	85
Exons	16093..16233, 16414..16566, 16630..16701, 47100..47237, 47256..47714, 47452..47559, 47605..47679, 61557..61928, 61655..61732, 61953..62084, 61958..62083		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o15.tm	Method	TBLASTX:Maize
Start	16135	End	62048
GI	none	Score	90
Exons	16135..16212, 47139..47237, 47143..47241, 47220..47402, 61782..61964, 61848..61964, 61958..62014, 61965..62048		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	16630	End	61583
GI	none	Score	37
Exons	16630..16758, 36839..36868, 36908..37519, 36914..37288, 36936..37394, 37349..37522, 37518..37586, 37520..37591, 47577..47759, 61425..61583		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o7.ts	Method	TBLASTX:Soybean
Start	16666	End	61499
GI	none	Score	87
Exons	16666..17064, 47685..47786, 47817..47879, 47865..48020, 61129..61272, 61279..61389, 61386..61499		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o6.tw	Method	TBLASTX:Wheat
Start	16834	End	61353
GI	none	Score	49
Exons	16834..16890, 16921..17028, 17062..17199, 47829..48215, 47830..47874, 47841..48014, 47905..48216, 60970..61353, 60978..61352		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
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Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o8.tm	Method	TBLASTX:Maize
Start	16897	End	61275
GI	none	Score	235
Exons	16897..17211, 47895..48221, 47896..48225, 60970..61275, 60987..61274		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o5.ts	Method	TBLASTX:Soybean
Start	17516	End	60558
GI	none	Score	54
Exons	17516..17629, 17518..17769, 17687..17770, 17777..17929, 17791..17928, 48579..48821, 48739..48822, 48861..48959, 48871..48957, 60184..60309, 60319..60558		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o8.tw	Method	TBLASTX:Wheat
Start	17614	End	60468
GI	none	Score	99
Exons	17614..17754, 17800..17997, 48675..48821, 48852..49082, 48858..49067, 48865..49083, 60060..60287, 60061..60285, 60295..60468, 60397..60468		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o3.ts	Method	TBLASTX:Soybean
Start	18079	End	59970
GI	none	Score	93
Exons	18079..18267, 18092..18223, 18268..18372, 18350..18550, 18438..18512, 49191..49610, 49264..49395, 49450..49575, 59545..59970, 59604..59729		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o14.tm	Method	TBLASTX:Maize
Start	18163	End	59985
GI	none	Score	71
Exons	18163..18228, 49116..49283, 49117..49248, 49260..49379, 49264..49380, 59818..59913, 59845..59985		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o4.tm	Method	TBLASTX:Maize
Start	18235	End	59817
GI	none	Score	76
Exons	18235..18366, 18236..18367, 18365..18697, 18374..18697, 49384..49575, 49386..49610, 49600..49767, 59389..59817, 59604..59744		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o3.tw	Method	TBLASTX:Wheat
Start	18371	End	59915
GI	none	Score	59
Exons	18371..18592, 18438..18548, 49246..49602, 49260..49601, 49600..49671, 59491..59913, 59542..59895, 59601..59915		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o11.tm	Method	TBLASTX:Maize
Start	18713	End	59385
GI	none	Score	103
Exons	18713..19039, 18813..19028, 49768..49866, 49869..50021, 49876..50022, 59050..59385, 59092..59370, 59112..59384		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o2.tw	Method	TBLASTX:Wheat
Start	18720	End	59376
GI	none	Score	142
Exons	18720..19121, 18728..19171, 49786..49866, 49834..50193, 49872..50192, 58921..59376, 58921..59361, 58929..59375		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o9.ts	Method	TBLASTX:Soybean
Start	18767	End	59325
GI	none	Score	77
Exons	18767..18901, 18908..19132, 18909..19121, 49857..49925, 49929..50036, 50067..50153, 58960..59058, 59083..59184, 59191..59325		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o11.ts	Method	TBLASTX:Soybean
Start	19542	End	58729
GI	none	Score	78
Exons	19542..19880, 50499..50591, 50688..50774, 58358..58456, 58553..58729		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o11.tw	Method	TBLASTX:Wheat
Start	21210	End	57638
GI	none	Score	81
Exons	21210..21260, 21279..21413, 54515..54739, 54517..54738, 54730..54819, 54823..54870, 57240..57290, 57291..57404, 57302..57352, 57378..57638, 57410..57637		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
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Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	35060	End	35763
GI	none	Score	192
Exons	35060..35755, 35068..35763, 35071..35415, 35075..35755		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o2.ts	Method	TBLASTX:Soybean
Start	35104	End	35745
GI	none	Score	38
Exons	35104..35337, 35252..35344, 35356..35745, 35357..35521		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o16.tw	Method	TBLASTX:Wheat
Start	35140	End	35607
GI	none	Score	100
Exons	35140..35328, 35347..35607		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o3.tm	Method	TBLASTX:Maize
Start	35878	End	36314
GI	none	Score	470
Exons	35878..36312, 35882..36313, 35907..36314		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	36118	End	36724
GI	5509260	Score	93
Exons	36118..36315, 36118..36498, 36125..36499, 36508..36723, 36509..36724		

GI Descrip. -

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o4.tw	Method	TBLASTX:Wheat
Start	36130	End	36582
GI	none	Score	274
Exons	36130..36471, 36143..36475, 36332..36487, 36479..36514, 36508..36582		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o3.tc	Method	TBLASTX:Cress
Start	36235	End	36516
GI	none	Score	202
Exons	36235..36516		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o6.tm	Method	TBLASTX:Maize
Start	36431	End	36754
GI	none	Score	351
Exons	36431..36748, 36433..36747, 36629..36754		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o14.tw	Method	TBLASTX:Wheat
Start	36929	End	37168
GI	none	Score	89
Exons	36929..37090, 36936..37079, 37079..37168, 37092..37166		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o2.tc	Method	TBLASTX:Cress
Start	36959	End	37375
GI	none	Score	212
Exons	36959..37375		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o4.ts	Method	TBLASTX:Soybean
Start	36965	End	37411
GI	none	Score	39
Exons	36965..37411, 36966..37076, 37101..37391		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	37256	End	61556
GI	none	Score	100
Exons	37256..37540, 37257..37382, 37259..37528, 37464..37544, 37525..37569, 37580..37828, 37596..37820, 61428..61556		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o5.tm	Method	TBLASTX:Maize
Start	37592	End	37987
GI	none	Score	267
Exons	37592..37864, 37593..37868, 37859..37987, 37872..37979		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o15.tw	Method	TBLASTX:Wheat
Start	37895	End	38209
GI	none	Score	75
Exons	37895..38209, 37995..38120, 38168..38209		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o13.tm	Method	TBLASTX:Maize
Start	37988	End	38328
GI	none	Score	161
Exons	37988..38230, 37989..38225, 38003..38242, 38254..38328, 38256..38327		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o12.ts	Method	TBLASTX:Soybean
Start	38081	End	40283
GI	none	Score	73
Exons	38081..38224, 38286..38333, 39837..40172, 40176..40283		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o13.tw	Method	TBLASTX:Wheat
Start	39885	End	40280
GI	none	Score	59
Exons	39885..40277, 40180..40278, 40185..40280		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o17.tw	Method	TBLASTX:Wheat
Start	43959	End	44249
GI	none	Score	188
Exons	43959..44249		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o12.tw	Method	TBLASTX:Wheat
Start	48384	End	60765
GI	none	Score	63
Exons	48384..48674, 48403..48615, 60511..60765, 60513..60638		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o7.tw	Method	TBLASTX:Wheat
Start	50419	End	58729
GI	none	Score	152
Exons	50419..50649, 50421..50651, 50685..50849, 50761..50850, 58274..58456, 58282..58383, 58493..58729, 58495..58719		

Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o15.gs	Method	GENSCAN
Start	62707	End	69584
GI	none	Score	.55

Exons 62707..63161, 63295..63440, 63558..64319, 64324..64448,
64520..64654, 64829..64947, 65058..65257, 65401..65434,
65592..65742, 66249..66298, 66580..66689, 66746..66885,
66924..67126, 67804..67937, 69538..69584

Seq. No. 34548 Seq. ID OJ990128_02.9819.C7
Gene No. 71452 Strand -
Start 62707 End 69904
Name OJ990128_02.9819.C7.o17.np Method AAT/NAP
Start 63557 End 64774
GI 6721561 Score 968
Exons 63557..64315, 64386..64448, 64520..64774
GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the
predicted gene.; hypothetical protein [Oryza sativa]
gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976)
corresponds to a region of the predicted gene.; hypothetical
protein [Oryza sativa]

Seq. No. 34548 Seq. ID OJ990128_02.9819.C7
Gene No. 71452 Strand -
Start 62707 End 69904
Name OJ990128_02.9819.C7.o19.np Method AAT/NAP
Start 64908 End 66640
GI 6721512 Score 40
Exons 64908..65002, 66524..66640
GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No. 34548 Seq. ID OJ990128_02.9819.C7
Gene No. 71452 Strand -
Start 62707 End 69904
Name OJ990128_02.9819.C7.o18.np Method AAT/NAP
Start 64984 End 65723
GI 5803259 Score 272
Exons 64984..65723
GI Descrip. (AP000399) hypothetical protein [Oryza sativa]

Seq. No. 34548 Seq. ID OJ990128_02.9819.C7
Gene No. 71452 Strand -
Start 62707 End 69904
Name OJ990128_02.9819.C7.o10.ts Method TBLASTX:Soybean
Start 68993 End 69229
GI none Score 197
Exons 68993..69229

Seq. No. 34548 Seq. ID OJ990128_02.9819.C7
Gene No. 71452 Strand -
Start 62707 End 69904
Name OJ990128_02.9819.C7.o1.tc Method TBLASTX:Cress
Start 69265 End 69616
GI none Score 94
Exons 69265..69339, 69284..69373, 69395..69616, 69457..69597

Seq. No. 34548 Seq. ID OJ990128_02.9819.C7
Gene No. 71452 Strand -
Start 62707 End 69904
Name OJ990128_02.9819.C7.o10.tw Method TBLASTX:Wheat
Start 69404 End 69691

GI	none	Score	299
Exons	69404..69691, 69415..69597, 69419..69598		
Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71452	Strand	-
Start	62707	End	69904
Name	OJ990128_02.9819.C7.o12.tm	Method	TBLASTX:Maize
Start	69461	End	69904
GI	none	Score	255
Exons	69461..69694, 69461..69610, 69707..69904, 69709..69903		
Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71453	Strand	-
Start	70263	End	71761
Name	OJ990128_02.9819.C7.o9.tm	Method	TBLASTX:Maize
Start	70263	End	70709
GI	none	Score	397
Exons	70263..70709, 70265..70708		
Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71453	Strand	-
Start	70263	End	71761
Name	OJ990128_02.9819.C7.o6.ts	Method	TBLASTX:Soybean
Start	70296	End	70697
GI	none	Score	140
Exons	70296..70448, 70343..70453, 70458..70697, 70577..70696		
Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71453	Strand	-
Start	70263	End	71761
Name	OJ990128_02.9819.C7.o9.tw	Method	TBLASTX:Wheat
Start	70359	End	71761
GI	none	Score	259
Exons	70359..70712, 70790..70921, 70804..70923, 71603..71761		
Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71453	Strand	-
Start	70263	End	71761
Name	OJ990128_02.9819.C7.o10.tm	Method	TBLASTX:Maize
Start	71286	End	71665
GI	none	Score	43
Exons	71286..71321, 71378..71656, 71381..71665		
Seq. No.	34548	Seq. ID	OJ990128_02.9819.C7
Gene No.	71454	Strand	-
Start	76191	End	76722
Name	OJ990128_02.9819.C7.o7.tm	Method	TBLASTX:Maize
Start	76191	End	76722
GI	none	Score	255
Exons	76191..76379, 76192..76404, 76384..76443, 76399..76446, 76533..76721, 76535..76681, 76537..76722		
Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71455	Strand	+
Start	247	End	3705
Name	OJ990128_02.9819.C8.o1.gs	Method	GENSCAN
Start	247	End	3531

GI	none	Score	.88
Exons	247..339, 433..528, 612..956, 1047..1115, 1208..1291, 2022..2087, 2331..2393, 2707..2766, 2876..2908, 3111..3158, 3241..3531		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71455	Strand	+
Start	247	End	3705
Name	OJ990128_02.9819.C8.o1.gp	Method	AAT/GAP
Start	3319	End	3705
GI	2799714	Score	391
Exons	3319..3478, 3568..3705		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71456	Strand	+
Start	9780	End	13397
Name	OJ990128_02.9819.C8.o2.gp	Method	AAT/GAP
Start	9780	End	13397
GI	29810_1.R1084	Score	1496
Exons	9780..10039, 11366..11483, 11931..12014, 13020..13397		
GI Descrip.	'4512018/gb AAD21574.1 4.0e-43 (AF106660) mRNA binding protein precursor [[Lycopersicon esculentum]]'		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71456	Strand	+
Start	9780	End	13397
Name	OJ990128_02.9819.C8.o4.gs	Method	GENSCAN
Start	11294	End	13295
GI	none	Score	.87
Exons	11294..11361, 11366..11483, 11931..12014, 13020..13295		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71457	Strand	+
Start	28441	End	29427
Name	OJ990128_02.9819.C8.o8.gs	Method	GENSCAN
Start	28441	End	29427
GI	none	Score	.69
Exons	28441..28460, 29045..29159, 29170..29427		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71458	Strand	-
Start	691	End	4639
Name	OJ990128_02.9819.C8.o1.np	Method	AAT/NAP
Start	691	End	4639
GI	5902444	Score	368
Exons	691..774, 4213..4639		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71459	Strand	-
Start	5804	End	10877
Name	OJ990128_02.9819.C8.o3.gs	Method	GENSCAN
Start	5804	End	10877
GI	none	Score	.46
Exons	5804..5893, 6442..6577, 9447..9554, 9648..9682, 9834..10225, 10355..10444, 10856..10877		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71460	Strand	-
Start	14344	End	18726
Name	OJ990128_02.9819.C8.o2.np	Method	AAT/NAP
Start	14327	End	16794
GI	4512018	Score	1164
Exons	14327..14508, 15038..15315, 15729..15867, 15975..16077, 16161..16285, 16358..16794		
GI Descrip.	(AF106660) mRNA binding protein precursor [Lycopersicon esculentum]		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71460	Strand	-
Start	14344	End	18726
Name	OJ990128_02.9819.C8.o5.gs	Method	GENSCAN
Start	14344	End	18726
GI	none	Score	.55
Exons	14344..14508, 15038..15315, 15729..15867, 15975..16077, 16161..16353, 16358..16537, 16565..16774, 17192..17371, 17515..17688, 18666..18726		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71460	Strand	-
Start	14344	End	18726
Name	OJ990128_02.9819.C8.o3.gp	Method	AAT/GAP
Start	15038	End	15323
GI	702014	Score	485
Exons	15038..15323		
GI Descrip.	4512018/gb AAD21574.1 4.0e-43 (AF106660) mRNA binding protein precursor [Lycopersicon esculentum]		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71460	Strand	-
Start	14344	End	18726
Name	OJ990128_02.9819.C8.o4.gp	Method	AAT/GAP
Start	16001	End	16499
GI	LIB3431-015-P1-K1-C7	Score	616
Exons	16001..16077, 16161..16285, 16358..16499		
GI Descrip.	'1532135 6.0e-32 (U49442) chloroplast mRNA-binding protein CSP41 precursor [Spinacia oleracea]'		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o6.tm	Method	TBLASTX:Maize
Start	457	End	752
GI	none	Score	77
Exons	457..537, 463..531, 610..741, 611..712, 618..752, 620..751		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o7.tm	Method	TBLASTX:Maize
Start	3238	End	3479
GI	none	Score	206
Exons	3238..3471, 3240..3479		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o2.tm	Method	TBLASTX:Maize
Start	9969	End	13270
GI	none	Score	102
Exons	9969..10040, 11358..11483, 11366..11479, 11368..11484, 11368..11490, 11931..12014, 12994..13125, 13004..13270, 13026..13265		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	11367	End	13253
GI	none	Score	37
Exons	11367..11387, 11382..11483, 11423..11482, 11931..12014, 12994..13125, 13020..13253, 13067..13249, 13200..13253		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	14350	End	16005
GI	none	Score	133
Exons	14350..14508, 14351..14506, 15042..15323, 15044..15322, 15709..15867, 15710..15868, 15973..16005, 15975..16004		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o2.tc	Method	TBLASTX:Cress
Start	14350	End	15106
GI	none	Score	176
Exons	14350..14508, 14351..14509, 15038..15106		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o3.tm	Method	TBLASTX:Maize
Start	15784	End	16195
GI	none	Score	42
Exons	15784..15807, 15784..15801, 15814..15867, 15815..15868, 15973..16080, 15975..16085, 15975..16079, 16151..16195		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o2.ts	Method	TBLASTX:Soybean
Start	16335	End	16520
GI	none	Score	143
Exons	16335..16520, 16358..16519		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o1.tc	Method	TBLASTX:Cress

Start	16341	End	16520
GI	none	Score	150
Exons	16341..16520, 16358..16519		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o5.tm	Method	TBLASTX:Maize
Start	16376	End	16672
GI	none	Score	188
Exons	16376..16519, 16379..16507, 16616..16672		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o6.gs	Method	GENSCAN
Start	21218	End	22570
GI	none	Score	.73
Exons	21218..21622, 21734..22570		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o4.tm	Method	TBLASTX:Maize
Start	21229	End	21422
GI	none	Score	74
Exons	21229..21345, 21230..21418, 21231..21422		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o3.np	Method	AAT/NAP
Start	21380	End	25944
GI	6815097	Score	3733
Exons	21380..22144, 22280..23974, 24089..24701, 25074..25944		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	21548	End	21901
GI	none	Score	202
Exons	21548..21871, 21549..21860, 21863..21901		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o3.ts	Method	TBLASTX:Soybean
Start	21758	End	22165
GI	none	Score	126
Exons	21758..21889, 22010..22165		

Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528

Name	OJ990128_02.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	21860	End	22664
GI	none	Score	91
Exons	21860..21940, 22304..22390, 22422..22664, 22436..22663		
Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o4.ts	Method	TBLASTX:Soybean
Start	22313	End	22663
GI	5509260	Score	149
Exons	22313..22390, 22427..22663		
GI Descrip.	-		
Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o7.gs	Method	GENSCAN
Start	22907	End	26528
GI	none	Score	.64
Exons	22907..23495, 23521..23627, 23959..24794, 25338..25432, 25517..26013, 26400..26528		
Seq. No.	34549	Seq. ID	OJ990128_02.9819.C8
Gene No.	71461	Strand	-
Start	21218	End	26528
Name	OJ990128_02.9819.C8.o3.tc	Method	TBLASTX:Cress
Start	25588	End	25809
GI	none	Score	65
Exons	25588..25809, 25624..25779		
Seq. No.	34550	Seq. ID	OJ990128_02.9819.C9
Gene No.	71462	Strand	+
Start	1	End	4727
Name	OJ990128_02.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	4727
GI	4938489	Score	149
Exons	1..30, 1292..1354, 1780..2003, 2124..2284, 4644..4727		
GI Descrip.	(AL078464) putative protein [Arabidopsis thaliana]		
Seq. No.	34550	Seq. ID	OJ990128_02.9819.C9
Gene No.	71462	Strand	+
Start	1	End	4727
Name	OJ990128_02.9819.C9.o1.gs	Method	GENSCAN
Start	11	End	2913
GI	none	Score	.92
Exons	11..392, 1179..1354, 1780..2003, 2124..2913		
Seq. No.	34550	Seq. ID	OJ990128_02.9819.C9
Gene No.	71463	Strand	+
Start	5678	End	8453
Name	OJ990128_02.9819.C9.o2.gs	Method	GENSCAN
Start	5678	End	8424
GI	none	Score	.76
Exons	5678..5887, 6108..6194, 7562..7638, 8319..8424		
Seq. No.	34550	Seq. ID	OJ990128_02.9819.C9

Gene No. 71463
 Start 5678
 Name OJ990128_02.9819.C9.o3.gp
 Start 7544
 GI none
 Exons 7544..7638, 8319..8453

Strand +
 End 8453
 Method AAT/GAP
 End 8453
 Score 311

Seq. No. 34550
 Gene No. 71464
 Start 2820
 Name OJ990128_02.9819.C9.o2.ts
 Start 350
 GI none
 Exons 350..421, 1177..1245, 1178..1354, 1257..1361

Seq. ID OJ990128_02.9819.C9
 Strand -
 End 3176
 Method TBLASTX:Soybean
 End 1361
 Score 72

Seq. No. 34550
 Gene No. 71464
 Start 2820
 Name OJ990128_02.9819.C9.o1.tm
 Start 1776
 GI none
 Exons 1776..1991, 1786..1995, 1906..2004, 2104..2418, 2125..2382, 2133..2426, 2369..2482, 2389..2901, 2391..2495, 2561..2611, 2751..2846

Seq. ID OJ990128_02.9819.C9
 Strand -
 End 3176
 Method TBLASTX:Maize
 End 2901
 Score 220

Seq. No. 34550
 Gene No. 71464
 Start 2820
 Name OJ990128_02.9819.C9.o3.ts
 Start 1812
 GI none
 Exons 1812..2009, 1813..2004

Seq. ID OJ990128_02.9819.C9
 Strand -
 End 3176
 Method TBLASTX:Soybean
 End 2009
 Score 231

Seq. No. 34550
 Gene No. 71464
 Start 2820
 Name OJ990128_02.9819.C9.o1.ts
 Start 2164
 GI none
 Exons 2164..2400, 2169..2399

Seq. ID OJ990128_02.9819.C9
 Strand -
 End 3176
 Method TBLASTX:Soybean
 End 2400
 Score 253

Seq. No. 34550
 Gene No. 71464
 Start 2820
 Name OJ990128_02.9819.C9.o1.gp
 Start 2820
 GI none
 Exons 2820..3176

Seq. ID OJ990128_02.9819.C9
 Strand -
 End 3176
 Method AAT/GAP
 End 3176
 Score 706

Seq. No. 34551
 Gene No. 71465
 Start 81
 Name OJ990128_02.9819.C10.o1.gs
 Start 81
 GI none
 Exons 81..228

Seq. ID OJ990128_02.9819.C10
 Strand -
 End 228
 Method GENSCAN
 End 228
 Score .72

Seq. No.	34552	Seq. ID	OJ990128_02.9819.C12
Gene No.	71466	Strand	-
Start	61	End	606
Name	OJ990128_02.9819.C12.o1.np	Method	AAT/NAP
Start	61	End	606
GI	2126090	Score	945
Exons	61..606		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi 455676 bbs 140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi 6634720 gb AAF19728.1 AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	34553	Seq. ID	OJ990128_02.9819.C14
Gene No.	71467	Strand	-
Start	218	End	410
Name	OJ990128_02.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	135	End	332
GI	none	Score	54
Exons	135..332, 223..330		

Seq. No.	34553	Seq. ID	OJ990128_02.9819.C14
Gene No.	71467	Strand	-
Start	218	End	410
Name	OJ990128_02.9819.C14.o1.gs	Method	GENSCAN
Start	218	End	410
GI	none	Score	.85
Exons	218..410		

Seq. No.	34554	Seq. ID	OJ990128_02.9819.C16
Gene No.	71468	Strand	-
Start	367	End	555
Name	OJ990128_02.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	367	End	555
GI	none	Score	238
Exons	367..555, 369..554		

Seq. No.	34555	Seq. ID	OJ990128_02.9819.C17
Gene No.	71469	Strand	-
Start	77	End	703
Name	OJ990128_02.9819.C17.o1.gs	Method	GENSCAN
Start	77	End	703
GI	none	Score	.6
Exons	77..152, 639..703		

Seq. No.	34556	Seq. ID	OJ990128_02.9819.C18
Gene No.	71470	Strand	-
Start	459	End	461
Name	OJ990128_02.9819.C18.o1.gs	Method	GENSCAN
Start	459	End	461
GI	none	Score	.89
Exons	459..461		

Seq. No.	34557	Seq. ID	OJ990128_02.9819.C19
Gene No.	71471	Strand	+
Start	258	End	651

Name	OJ990128_02.9819.C19.o1.gs	Method	GENSCAN
Start	258	End	651
GI	none	Score	.81
Exons	258..420, 526..651		
Seq. No.	34558	Seq. ID	OJ990128_02.9819.C21
Gene No.	71472	Strand	+
Start	292	End	512
Name	OJ990128_02.9819.C21.o1.gs	Method	GENSCAN
Start	292	End	512
GI	none	Score	.96
Exons	292..512		
Seq. No.	34559	Seq. ID	OJ990128_02.9819.C22
Gene No.	71473	Strand	-
Start	1	End	895
Name	OJ990128_02.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	895
GI	6815097	Score	399
Exons	1..419, 555..895		
GI Descrip..	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		
Seq. No.	34559	Seq. ID	OJ990128_02.9819.C22
Gene No.	71473	Strand	-
Start	1	End	895
Name	OJ990128_02.9819.C22.o1.gs	Method	GENSCAN
Start	332	End	623
GI	none	Score	.79
Exons	332..623		
Seq. No.	34560	Seq. ID	OJ990128_02.9819.C28
Gene No.	71474	Strand	-
Start	1	End	177
Name	OJ990128_02.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	177
GI	5902445	Score	76
Exons	1..177		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	34561	Seq. ID	OJ990428_05.9819.C2
Gene No.	71475	Strand	+
Start	785	End	1117
Name	OJ990428_05.9819.C2.o1.gp	Method	AAT/GAP
Start	785	End	1117
GI	none	Score	604
Exons	785..1117		
Seq. No.	34561	Seq. ID	OJ990428_05.9819.C2
Gene No.	71475	Strand	+
Start	785	End	1117
Name	OJ990428_05.9819.C2.o1.gs	Method	GENSCAN
Start	785	End	927
GI	none	Score	.63
Exons	785..927		
Seq. No.	34562	Seq. ID	OJ990428_05.9819.C3

Gene No.	71476	Strand	-
Start	1103	End	1183
Name	OJ990428_05.9819.C3.ol.gp	Method	AAT/GAP
Start	1103	End	1183
GI	LIB3477-003-P1-K1-E9	Score	122
Exons	1103..1183		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	34563	Seq. ID	OJ990428_05.9819.C4
Gene No.	71477	Strand	+
Start	1	End	657
Name	OJ990428_05.9819.C4.ol.gp	Method	AAT/GAP
Start	1	End	657
GI	342_1.R1084	Score	1019
Exons	1..657		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	34564	Seq. ID	OJ990428_05.9819.C6
Gene No.	71478	Strand	+
Start	1	End	748
Name	OJ990428_05.9819.C6.ol.np	Method	AAT/NAP
Start	1	End	748
GI	4850398	Score	200
Exons	1..313, 426..748		
GI Descrip.	(AC007357) Strong similarity to gi 3313615 F21J9.9 from Arabidopsis thaliana and is a member of the PF 00067 Cytochrome P450 family.		

Seq. No.	34565	Seq. ID	OJ990428_05.9819.C9
Gene No.	71479	Strand	+
Start	1	End	847
Name	OJ990428_05.9819.C9.ol.np	Method	AAT/NAP
Start	1	End	847
GI	5042161	Score	455
Exons	1..280, 367..483, 580..701, 780..847		
GI Descrip.	(AL078620) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34565	Seq. ID	OJ990428_05.9819.C9
Gene No.	71479	Strand	+
Start	1	End	847
Name	OJ990428_05.9819.C9.ol.tm	Method	TBLASTX:Maize
Start	91	End	846
GI	none	Score	269
Exons	91..285, 95..280, 99..281, 100..282, 156..245, 361..384, 364..468, 366..461, 366..479, 367..480, 573..701, 574..690, 578..712, 580..717, 781..822, 784..822, 817..846		

Seq. No.	34565	Seq. ID	OJ990428_05.9819.C9
Gene No.	71479	Strand	+
Start	1	End	847
Name	OJ990428_05.9819.C9.ol.gs	Method	GENSCAN
Start	120	End	483
GI	none	Score	.63
Exons	120..280, 367..483		

Seq. No.	34566	Seq. ID	OJ990428_05.9819.C10
Gene No.	71480	Strand	-
Start	1	End	6130
Name	OJ990428_05.9819.C10.ol.np	Method	AAT/NAP
Start	1	End	3832
GI	3287679	Score	1422
Exons	1..79, 602..818, 952..1102, 1180..1413, 2283..2345, 2768..3042, 3202..3377, 3415..3477, 3570..3647, 3740..3832		
GI Descrip.	(AC003979) T22J18.6 [Arabidopsis thaliana]		

Seq. No.	34566	Seq. ID	OJ990428_05.9819.C10
Gene No.	71480	Strand	-
Start	1	End	6130
Name	OJ990428_05.9819.C10.ol.gp	Method	AAT/GAP
Start	587	End	2939
GI	963_1.R1084	Score	1566
Exons	587..818, 952..1102, 1180..1420, 2287..2345, 2768..2939		
GI Descrip.	'5912299/emb CAB56058.1 0.0e+00 (AJ133787) gigantea homologue [Oryza sativa]'		

Seq. No.	34566	Seq. ID	OJ990428_05.9819.C10
Gene No.	71480	Strand	-
Start	1	End	6130
Name	OJ990428_05.9819.C10.ol.tm	Method	TBLASTX:Maize
Start	606	End	2973
GI	none	Score	234
Exons	606..818, 610..831, 623..820, 949..1032, 952..1032, 954..1034, 1028..1102, 1029..1103, 1033..1113, 1033..1110, 1049..1114, 1177..1416, 1179..1238, 1181..1420, 1181..1420, 1302..1424, 2283..2345, 2288..2344, 2292..2345, 2755..2973, 2767..2973		

Seq. No.	34566	Seq. ID	OJ990428_05.9819.C10
Gene No.	71480	Strand	-
Start	1	End	6130
Name	OJ990428_05.9819.C10.ol.ts	Method	TBLASTX:Soybean
Start	606	End	3345
GI	none	Score	83
Exons	606..722, 606..818, 673..819, 922..1110, 952..1104, 1177..1413, 1177..1413, 1179..1424, 1181..1420, 1520..1546, 2765..2857, 2765..2839, 2767..2952, 2860..3048, 2878..3048, 3180..3341, 3221..3343, 3223..3345		

Seq. No.	34566	Seq. ID	OJ990428_05.9819.C10
Gene No.	71480	Strand	-
Start	1	End	6130
Name	OJ990428_05.9819.C10.ol.gs	Method	GENSCAN
Start	609	End	6130
GI	none	Score	.49
Exons	609..818, 952..1102, 1180..1420, 2904..3042, 3202..3344, 3423..3477, 3570..3709, 3740..3757, 5722..6130		

Seq. No.	34566	Seq. ID	OJ990428_05.9819.C10
Gene No.	71480	Strand	-
Start	1	End	6130
Name	OJ990428_05.9819.C10.ol.tc	Method	TBLASTX:Cress
Start	657	End	1370

GI	none	Score	155
Exons	657..818, 676..819, 922..1110, 952..1104, 1177..1368, 1179..1238, 1181..1369, 1182..1370, 1302..1370		
Seq. No.	34566	Seq. ID	OJ990428_05.9819.C10
Gene No.	71480	Strand	-
Start	1	End	6130
Name	OJ990428_05.9819.C10.o2.gp	Method	AAT/GAP
Start	3003	End	3842
GI	28435_1.R1084	Score	723
Exons	3003..3042, 3202..3344, 3423..3477, 3570..3647, 3740..3842		
GI Descrip.	'5911782/emb CAB56039.1 1.0e-40 (AJ133786) gigantea protein [Arabidopsis thaliana] >gi_6002680_gb_AAF00092.1_AF105064_1 (AF105064) GIGANTEA [Arabidopsis thaliana]'		

Seq. No.	34566	Seq. ID	OJ990428_05.9819.C10
Gene No.	71480	Strand	-
Start	1	End	6130
Name	OJ990428_05.9819.C10.o2.tm	Method	TBLASTX:Maize
Start	3236	End	3924
GI	none	Score	133
Exons	3236..3346, 3238..3345, 3416..3454, 3439..3474, 3439..3480, 3446..3478, 3564..3650, 3568..3648, 3570..3650, 3572..3652, 3722..3850, 3741..3923, 3763..3924, 3796..3924		

Seq. No.	34566	Seq. ID	OJ990428_05.9819.C10
Gene No.	71480	Strand	-
Start	1	End	6130
Name	OJ990428_05.9819.C10.o3.gp	Method	AAT/GAP
Start	3789	End	5789
GI	none	Score	698
Exons	3789..3844, 3922..4151, 5689..5789		

Seq. No.	34567	Seq. ID	OJ990428_05.9819.C11
Gene No.	71481	Strand	-
Start	1	End	806
Name	OJ990428_05.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	806
GI	5042157	Score	184
Exons	1..228, 752..806		
GI Descrip.	(AL078620) putative WRKY DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	34567	Seq. ID	OJ990428_05.9819.C11
Gene No.	71481	Strand	-
Start	1	End	806
Name	OJ990428_05.9819.C11.o1.tm	Method	TBLASTX:Maize
Start	97	End	206
GI	none	Score	65
Exons	97..150, 98..205, 99..206		

Seq. No.	34567	Seq. ID	OJ990428_05.9819.C11
Gene No.	71481	Strand	-
Start	1	End	806
Name	OJ990428_05.9819.C11.o1.tc	Method	TBLASTX:Cress
Start	98	End	206
GI	none	Score	124

Exons 98..205, 99..206

Seq. No.	34567	Seq. ID	OJ990428_05.9819.C11
Gene No.	71481	Strand	-
Start	1	End	806
Name	OJ990428_05.9819.C11.o1.gs	Method	GENSCAN
Start	99	End	714
GI	none	Score	.59
Exons	99..416, 519..714		

Seq. No.	34568	Seq. ID	OJ990428_05.9819.C12
Gene No.	71482	Strand	+
Start	676	End	1043
Name	OJ990428_05.9819.C12.o1.gp	Method	AAT/GAP
Start	676	End	1043
GI	uC-osrocyp013c01b1	Score	688
Exons	676..1043		
GI Descrip.	'2642443 2.0e-17 (AC002391) putative cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	34568	Seq. ID	OJ990428_05.9819.C12
Gene No.	71482	Strand	+
Start	676	End	1043
Name	OJ990428_05.9819.C12.o1.np	Method	AAT/NAP
Start	753	End	1043
GI	4417283	Score	164
Exons	753..1043		
GI Descrip.	(AC007019) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	34568	Seq. ID	OJ990428_05.9819.C12
Gene No.	71483	Strand	-
Start	719	End	1031
Name	OJ990428_05.9819.C12.o1.gs	Method	GENSCAN
Start	719	End	1021
GI	none	Score	.75
Exons	719..1021		

Seq. No.	34568	Seq. ID	OJ990428_05.9819.C12
Gene No.	71483	Strand	-
Start	719	End	1031
Name	OJ990428_05.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	858	End	1031
GI	none	Score	239
Exons	858..977, 860..1027, 861..1031		

Seq. No.	34569	Seq. ID	OJ990428_05.9819.C15
Gene No.	71484	Strand	+
Start	153	End	1416
Name	OJ990428_05.9819.C15.o1.np	Method	AAT/NAP
Start	153	End	1416
GI	5042160	Score	334
Exons	153..794, 1321..1416		
GI Descrip.	(AL078620) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34569	Seq. ID	OJ990428_05.9819.C15
Gene No.	71484	Strand	+
Start	153	End	1416

Name	OJ990428_05.9819.C15.o1.gs	Method	GENSCAN
Start	180	End	794
GI	none	Score	.86
Exons	180..794		

Seq. No.	34570	Seq. ID	OJ990428_05.9819.C18
Gene No.	71485	Strand	-
Start	1	End	870
Name	OJ990428_05.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	870
GI	5042161	Score	68
Exons	1..224, 700..870		
GI Descrip.	(AL078620) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34571	Seq. ID	OJ990428_05.9819.C19
Gene No.	71486	Strand	+
Start	219	End	526
Name	OJ990428_05.9819.C19.o1.gs	Method	GENSCAN
Start	219	End	526
GI	none	Score	.84
Exons	219..330, 467..526		

Seq. No.	34572	Seq. ID	OJ990428_05.9819.C20
Gene No.	71487	Strand	+
Start	151	End	218
Name	OJ990428_05.9819.C20.o1.gs	Method	GENSCAN
Start	151	End	218
GI	none	Score	.43
Exons	151..218		

Seq. No.	34573	Seq. ID	OJ990428_05.9819.C21
Gene No.	71488	Strand	+
Start	282	End	1094
Name	OJ990428_05.9819.C21.o1.gs	Method	GENSCAN
Start	282	End	1094
GI	none	Score	.5
Exons	282..1094		

Seq. No.	34574	Seq. ID	OJ990428_05.9819.C22
Gene No.	71489	Strand	-
Start	1	End	773
Name	OJ990428_05.9819.C22.o1.np	Method	AAT/NAP
Start	1	End	773
GI	3287679	Score	244
Exons	1..57, 143..318, 356..418, 511..588, 681..773		
GI Descrip.	(AC003979) T22J18.6 [Arabidopsis thaliana]		

Seq. No.	34574	Seq. ID	OJ990428_05.9819.C22
Gene No.	71489	Strand	-
Start	1	End	773
Name	OJ990428_05.9819.C22.o1.gp	Method	AAT/GAP
Start	143	End	727
GI	28435_1.R1084	Score	517
Exons	143..285, 364..418, 511..588, 681..727		
GI Descrip.	'5911782/emb CAB56039.1 1.0e-40 (AJ133786) gigantea protein [Arabidopsis thaliana] >gi 6002680 gb AAF00092.1_AF105064_1 (AF105064) GIGANTEA [Arabidopsis thaliana]'		

Seq. No.	34574	Seq. ID	OJ990428_05.9819.C22
Gene No.	71489	Strand	-
Start	1	End	773
Name	OJ990428_05.9819.C22.o1.gs	Method	GENSCAN
Start	143	End	650
GI	none	Score	.89
Exons	143..285, 364..418, 511..650		

Seq. No.	34574	Seq. ID	OJ990428_05.9819.C22
Gene No.	71489	Strand	-
Start	1	End	773
Name	OJ990428_05.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	177	End	728
GI	none	Score	133
Exons	177..287, 179..286, 357..395, 380..415, 380..421, 505..591, 509..589, 511..591, 663..728, 682..723		

Seq. No.	34575	Seq. ID	OJ990428_05.9819.C23
Gene No.	71490	Strand	-
Start	159	End	610
Name	OJ990428_05.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	156	End	610
GI	none	Score	121
Exons	156..212, 218..241, 485..610, 487..609		

Seq. No.	34575	Seq. ID	OJ990428_05.9819.C23
Gene No.	71490	Strand	-
Start	159	End	610
Name	OJ990428_05.9819.C23.o1.np	Method	AAT/NAP
Start	159	End	604
GI	6119544	Score	120
Exons	159..241, 490..604		
GI Descrip.	(AC011560) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34575	Seq. ID	OJ990428_05.9819.C23
Gene No.	71490	Strand	-
Start	159	End	610
Name	OJ990428_05.9819.C23.o1.gs	Method	GENSCAN
Start	490	End	587
GI	none	Score	.85
Exons	490..587		

Seq. No.	34576	Seq. ID	OJ990428_05.9819.C24
Gene No.	71491	Strand	-
Start	87	End	390
Name	OJ990428_05.9819.C24.o1.gp	Method	AAT/GAP
Start	87	End	390
GI	none	Score	530
Exons	87..390		

Seq. No.	34577	Seq. ID	OJ990428_05.9819.C26
Gene No.	71492	Strand	-
Start	7323	End	7573
Name	OJ990428_05.9819.C26.o2.gs	Method	GENSCAN
Start	7323	End	7573
GI	none	Score	.61

Exons 7323..7383, 7406..7573

Seq. No.	34577	Seq. ID	OJ990428_05.9819.C26
Gene No.	71492	Strand	-
Start	7323	End	7573
Name	OJ990428_05.9819.C26.o1.np	Method	AAT/NAP
Start	7405	End	7573
GI	5042157	Score	171
Exons	7405..7573		
GI Descrip.	(AL078620) putative WRKY DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	34578	Seq. ID	OJ990428_05.9819.C30
Gene No.	71493	Strand	-
Start	579	End	938
Name	OJ990428_05.9819.C30.o1.gs	Method	GENSCAN
Start	579	End	938
GI	none	Score	.73
Exons	579..938		

Seq. No.	34579	Seq. ID	OJ990428_05.9819.C31
Gene No.	71494	Strand	+
Start	142	End	545
Name	OJ990428_05.9819.C31.o1.gs	Method	GENSCAN
Start	142	End	545
GI	none	Score	.99
Exons	142..545		

Seq. No.	34579	Seq. ID	OJ990428_05.9819.C31
Gene No.	71495	Strand	+
Start	1696	End	3340
Name	OJ990428_05.9819.C31.o2.gs	Method	GENSCAN
Start	1696	End	3340
GI	none	Score	.84
Exons	1696..2816, 2929..3340		

Seq. No.	34579	Seq. ID	OJ990428_05.9819.C31
Gene No.	71495	Strand	+
Start	1696	End	3340
Name	OJ990428_05.9819.C31.o1.np	Method	AAT/NAP
Start	1711	End	3337
GI	5042164	Score	962
Exons	1711..2816, 2929..3337		
GI Descrip.	(AL078620) cytochrome P450-like protein [Arabidopsis thaliana]		

Seq. No.	34579	Seq. ID	OJ990428_05.9819.C31
Gene No.	71495	Strand	+
Start	1696	End	3340
Name	OJ990428_05.9819.C31.o2.tc	Method	TBLASTX:Cress
Start	1765	End	2382
GI	none	Score	341
Exons	1765..2382, 1815..2087, 1930..2091		

Seq. No.	34579	Seq. ID	OJ990428_05.9819.C31
Gene No.	71495	Strand	+
Start	1696	End	3340
Name	OJ990428_05.9819.C31.o1.gp	Method	AAT/GAP

Start	1792	End	2320
GI	30173_1.R1084	Score	1027
Exons	1792..2320		
GI Descrip.	'4417283/gb AAD20408 1.0e-39 (AC007019) putative cytochrome p450 [Arabidopsis thaliana]'		

Seq. No.	34579	Seq. ID	OJ990428_05.9819.C31
Gene No.	71495	Strand	+
Start	1696	End	3340
Name	OJ990428_05.9819.C31.o1.tm	Method	TBLASTX:Maize
Start	1810	End	3265
GI	none	Score	71
Exons	1810..1905, 1954..2040, 2215..2514, 2581..2733, 2758..2817, 2927..3112, 2929..3132, 3131..3265		

Seq. No.	34579	Seq. ID	OJ990428_05.9819.C31
Gene No.	71495	Strand	+
Start	1696	End	3340
Name	OJ990428_05.9819.C31.o1.ts	Method	TBLASTX:Soybean
Start	1810	End	3331
GI	none	Score	85
Exons	1810..1914, 1954..2040, 2041..2511, 2580..2711, 2581..2733, 2581..2730, 2586..2741, 2761..2817, 2782..2823, 2927..3112, 3032..3112, 3113..3331, 3133..3330		

Seq. No.	34579	Seq. ID	OJ990428_05.9819.C31
Gene No.	71495	Strand	+
Start	1696	End	3340
Name	OJ990428_05.9819.C31.o2.tw	Method	TBLASTX:Wheat
Start	2097	End	2505
GI	none	Score	206
Exons	2097..2459, 2098..2505		

Seq. No.	34579	Seq. ID	OJ990428_05.9819.C31
Gene No.	71495	Strand	+
Start	1696	End	3340
Name	OJ990428_05.9819.C31.o1.tw	Method	TBLASTX:Wheat
Start	2921	End	3250
GI	none	Score	196
Exons	2921..3100, 2972..3097, 3125..3250		

Seq. No.	34579	Seq. ID	OJ990428_05.9819.C31
Gene No.	71495	Strand	+
Start	1696	End	3340
Name	OJ990428_05.9819.C31.o1.tc	Method	TBLASTX:Cress
Start	2926	End	3339
GI	none	Score	406
Exons	2926..3339, 2927..3328		

Seq. No.	34580	Seq. ID	OJ990428_05.9819.C32
Gene No.	71496	Strand	+
Start	1	End	791
Name	OJ990428_05.9819.C32.o1.np	Method	AAT/NAP
Start	1	End	541
GI	5042164	Score	280
Exons	1..541		
GI Descrip.	(AL078620) cytochrome P450-like protein [Arabidopsis thaliana]		

Seq. No.	34580	Seq. ID	OJ990428_05.9819.C32
Gene No.	71496	Strand	+
Start	1	End	791
Name	OJ990428_05.9819.C32.o1.tc	Method	TBLASTX:Cress
Start	124	End	532
GI	none	Score	55
Exons	124..171, 128..172, 199..276, 268..411, 269..412, 482..532		

Seq. No.	34580	Seq. ID	OJ990428_05.9819.C32
Gene No.	71496	Strand	+
Start	1	End	791
Name	OJ990428_05.9819.C32.o1.gs	Method	GENSCAN
Start	407	End	791
GI	none	Score	.45
Exons	407..520, 759..791		

Seq. No.	34581	Seq. ID	OJ990428_05.9819.C33
Gene No.	71497	Strand	+
Start	1	End	834
Name	OJ990428_05.9819.C33.o1.np	Method	AAT/NAP
Start	1	End	834
GI	6742729	Score	642
Exons	1..834		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	34581	Seq. ID	OJ990428_05.9819.C33
Gene No.	71497	Strand	+
Start	1	End	834
Name	OJ990428_05.9819.C33.o1.tw	Method	TBLASTX:Wheat
Start	279	End	644
GI	none	Score	98
Exons	279..449, 279..449, 280..450, 495..626, 496..615, 615..644		

Seq. No.	34582	Seq. ID	OJ990428_05.9819.C34
Gene No.	71498	Strand	-
Start	299	End	374
Name	OJ990428_05.9819.C34.o1.gp	Method	AAT/GAP
Start	299	End	374
GI	LIB3477-003-P1-K1-E9	Score	91
Exons	299..374		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S 1) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	34583	Seq. ID	OJ990428_05.9819.C35
Gene No.	71499	Strand	-
Start	706	End	832
Name	OJ990428_05.9819.C35.o1.gs	Method	GENSCAN
Start	706	End	832
GI	none	Score	.95
Exons	706..832		

Seq. No.	34584	Seq. ID	OJ990428_05.9819.C39
Gene No.	71500	Strand	-
Start	1	End	853
Name	OJ990428_05.9819.C39.o1.np	Method	AAT/NAP

Start	1	End	853
GI	5042161	Score	373
Exons	1..181, 277..622, 761..853		
GI Descrip.	(AL078620) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34584	Seq. ID	OJ990428_05.9819.C39
Gene No.	71500	Strand	-
Start	1	End	853
Name	OJ990428_05.9819.C39.o1.tm	Method	TBLASTX:Maize
Start	34	End	505
GI	none	Score	49
Exons	34..63, 36..65, 57..86, 87..140, 91..141, 108..182, 129..182, 130..183, 131..184, 275..346, 276..443, 277..501, 277..504, 278..505		

Seq. No.	34584	Seq. ID	OJ990428_05.9819.C39
Gene No.	71500	Strand	-
Start	1	End	853
Name	OJ990428_05.9819.C39.o1.gs	Method	GENSCAN
Start	277	End	531
GI	none	Score	.72
Exons	277..531		

Seq. No.	34585	Seq. ID	OJ990428_05.9819.C40
Gene No.	71501	Strand	-
Start	1	End	3680
Name	OJ990428_05.9819.C40.o1.np	Method	AAT/NAP
Start	1	End	1784
GI	6119544	Score	192
Exons	1..125, 200..338, 448..537, 628..696, 1742..1784		
GI Descrip.	(AC011560) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34585	Seq. ID	OJ990428_05.9819.C40
Gene No.	71501	Strand	-
Start	1	End	3680
Name	OJ990428_05.9819.C40.o1.gs	Method	GENSCAN
Start	200	End	3680
GI	none	Score	.71
Exons	200..338, 448..537, 628..753, 902..1052, 1838..1890, 1992..2092, 2237..2284, 2391..2508, 2726..2921, 3021..3142, 3270..3680		

Seq. No.	34585	Seq. ID	OJ990428_05.9819.C40
Gene No.	71501	Strand	-
Start	1	End	3680
Name	OJ990428_05.9819.C40.o2.np	Method	AAT/NAP
Start	1739	End	3644
GI	1438881	Score	879
Exons	1739..1890, 1992..2092, 2237..2284, 2391..2508, 2726..2921, 3021..3142, 3270..3644		
GI Descrip.	(U43839) GmCK2p [Glycine max]		

Seq. No.	34585	Seq. ID	OJ990428_05.9819.C40
Gene No.	71502	Strand	-
Start	4666	End	14150
Name	OJ990428_05.9819.C40.o2.tc	Method	TBLASTX:Cress
Start	1786	End	2508
GI	none	Score	60

Exons 1786..1872, 1814..1873, 1816..1878, 1990..2088, 1992..2087,
2354..2488, 2364..2486, 2374..2508, 2376..2501, 2389..2508

Seq. No. 34585 Seq. ID OJ990428_05.9819.C40
Gene No. 71502 Strand -
Start 4666 End 14150
Name OJ990428_05.9819.C40.o2.ts Method TBLASTX:Soybean
Start 1789 End 3596
GI none Score 49
Exons 1789..1872, 1822..1878, 1992..2093, 1993..2106, 2229..2285,
2374..2508, 2389..2514, 2390..2557, 2724..2927, 2726..2926,
3018..3080, 3020..3148, 3270..3428, 3468..3596

Seq. No. 34585 Seq. ID OJ990428_05.9819.C40
Gene No. 71502 Strand -
Start 4666 End 14150
Name OJ990428_05.9819.C40.o1.tw Method TBLASTX:Wheat
Start 1795 End 2442
GI none Score 62
Exons 1795..1875, 1814..1879, 1818..1874, 1819..1878, 1990..2091,
1992..2096, 2229..2282, 2392..2442

Seq. No. 34585 Seq. ID OJ990428_05.9819.C40
Gene No. 71502 Strand -
Start 4666 End 14150
Name OJ990428_05.9819.C40.o3.tm Method TBLASTX:Maize
Start 1986 End 3383
GI none Score 46
Exons 1986..2042, 1986..2021, 2022..2096, 2023..2094, 2200..2277,
2229..2276, 2391..2507, 2391..2507, 2392..2514, 2393..2518,
2676..2714, 2724..2924, 2726..2926, 2890..2925, 3020..3151,
3021..3092, 3023..3139, 3265..3291, 3270..3383

Seq. No. 34585 Seq. ID OJ990428_05.9819.C40
Gene No. 71502 Strand -
Start 4666 End 14150
Name OJ990428_05.9819.C40.o1.tc Method TBLASTX:Cress
Start 3270 End 3599
GI none Score 92
Exons 3270..3392, 3393..3431, 3468..3599

Seq. No. 34585 Seq. ID OJ990428_05.9819.C40
Gene No. 71502 Strand -
Start 4666 End 14150
Name OJ990428_05.9819.C40.o5.tm Method TBLASTX:Maize
Start 3384 End 3755
GI none Score 62
Exons 3384..3428, 3385..3429, 3468..3611, 3468..3629, 3469..3627,
3701..3730, 3705..3755

Seq. No. 34585 Seq. ID OJ990428_05.9819.C40
Gene No. 71502 Strand -
Start 4666 End 14150
Name OJ990428_05.9819.C40.o2.gs Method GENSCAN
Start 4666 End 13737
GI none Score .53
Exons 4666..4872, 6008..6265, 6338..6490, 8623..8808, 8904..9158,

9536..10277, 10356..10477, 10574..10690, 10777..11244,
11482..11759, 12639..13029, 13540..13737

Seq. No.	34585	Seq. ID	OJ990428_05.9819.C40
Gene No.	71502	Strand	-
Start	4666	End	14150
Name	OJ990428_05.9819.C40.o1.tm	Method	TBLASTX:Maize
Start	5702	End	9132
GI	none	Score	678
Exons	5702..6223, 5724..6224, 5732..6250, 6097..6252, 6218..6490, 6224..6490, 6282..6491, 7320..7697, 7339..7707, 7340..7669, 8621..8809, 8622..8810, 8623..8811, 8902..8973, 8904..9128, 8904..9131, 8905..9132		

Seq. No.	34585	Seq. ID	OJ990428_05.9819.C40
Gene No.	71502	Strand	-
Start	4666	End	14150
Name	OJ990428_05.9819.C40.o1.ts	Method	TBLASTX:Soybean
Start	5718	End	8960
GI	none	Score	110
Exons	5718..5786, 5728..6006, 5738..5866, 5739..6233, 5741..6400, 5847..6005, 5915..6388, 6103..6399, 6220..6417, 6374..6490, 6395..6487, 6429..6491, 7339..7458, 7340..7438, 7430..7669, 7431..7697, 7432..7671, 7435..7707, 7602..7694, 8614..8799, 8621..8809, 8623..8811, 8624..8827, 8904..8960		

Seq. No.	34585	Seq. ID	OJ990428_05.9819.C40
Gene No.	71502	Strand	-
Start	4666	End	14150
Name	OJ990428_05.9819.C40.o3.np	Method	AAT/NAP
Start	5741	End	14150
GI	5042161	Score	3840
Exons	5741..6490, 7330..7668, 8626..8808, 8904..9166, 9532..10277, 10356..10477, 10574..10690, 10777..11244, 11380..11803, 11914..12230, 12469..13029, 13540..13761, 14095..14150		
GI Descrip.	(AL078620) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34585	Seq. ID	OJ990428_05.9819.C40
Gene No.	71502	Strand	-
Start	4666	End	14150
Name	OJ990428_05.9819.C40.o2.gp	Method	AAT/GAP
Start	6095	End	6402
GI	LIB3474-003-P1-K1-D3	Score	608
Exons	6095..6402		
GI Descrip.	'5042161/emb CAB44680.1 2.0e-30 (AL078620) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	34585	Seq. ID	OJ990428_05.9819.C40
Gene No.	71502	Strand	-
Start	4666	End	14150
Name	OJ990428_05.9819.C40.o4.tm	Method	TBLASTX:Maize
Start	9563	End	9909
GI	none	Score	333
Exons	9563..9862, 9564..9863, 9565..9909		

Seq. No.	34585	Seq. ID	OJ990428_05.9819.C40
Gene No.	71502	Strand	-

Start 4666
Name OJ990428_05.9819.C40.o3.gp
Start 9798
GI none
Exons 9798..10120

End 14150
Method AAT/GAP
End 10120
Score 590

Seq. No. 34585
Gene No. 71502
Start 4666
Name OJ990428_05.9819.C40.o2.tm
Start 9911
GI none
Exons 9911..9976, 9945..10019, 9953..10024, 10040..10276,
10041..10295, 10340..10477, 10345..10479, 10356..10484,
10367..10483, 10577..10690, 10578..10691, 10589..10693,
10609..10692, 10673..10696, 10772..11137, 10776..11126,
10777..11136, 11006..11143

Seq. ID OJ990428_05.9819.C40
Strand -
End 14150
Method TBLASTX:Maize
End 11143
Score 44

Seq. No. 34586
Gene No. 71503
Start 1060
Name OJ990428_05.9819.C41.o1.np
Start 1060
GI 5042160
Exons 1060..1320, 1434..1830
GI Descrip. (AL078620) hypothetical protein [Arabidopsis thaliana]

Seq. ID OJ990428_05.9819.C41
Strand -
End 1830
Method AAT/NAP
End 1830
Score 414

Seq. No. 34587
Gene No. 71504
Start 1
Name OJ990428_05.9819.C42.o1.np
Start 1
GI 5042160
Exons 1..506
GI Descrip. (AL078620) hypothetical protein [Arabidopsis thaliana]

Seq. ID OJ990428_05.9819.C42
Strand -
End 5835
Method AAT/NAP
End 506
Score 213

Seq. No. 34587
Gene No. 71504
Start 1
Name OJ990428_05.9819.C42.o1.gs
Start 224
GI none
Exons 224..479, 874..1123, 1375..1508, 1588..2061, 2155..2261,
5037..5835

Seq. ID OJ990428_05.9819.C42
Strand -
End 5835
Method GENSCAN
End 5835
Score .57

Seq. No. 34587
Gene No. 71504
Start 1
Name OJ990428_05.9819.C42.o2.np
Start 859
GI 5042159
Exons 859..1041, 1323..1508, 1588..2061, 2136..2399, 3560..3672
GI Descrip. (AL078620) hypothetical protein [Arabidopsis thaliana]

Seq. ID OJ990428_05.9819.C42
Strand -
End 5835
Method AAT/NAP
End 3672
Score 567

Seq. No. 34588
Gene No. 71505
Start 459

Seq. ID OJ990428_05.9819.C43
Strand +
End 468

Name	OJ990428_05.9819.C43.ol.gs	Method	GENSCAN
Start	459	End	468
GI	none	Score	.41
Exons	459..468		
Seq. No.	34589	Seq. ID	OJ990428_05.9819.C44
Gene No.	71506	Strand	+
Start	1	End	887
Name	OJ990428_05.9819.C44.ol.gp	Method	AAT/GAP
Start	1	End	804
GI	963_1.R1084	Score	1340
Exons	1..804		
GI Descrip.	'5912299/emb CAB56058.1 0.0e+00 (AJ133787) gigantea homologue [Oryza sativa]'		
Seq. No.	34589	Seq. ID	OJ990428_05.9819.C44
Gene No.	71506	Strand	+
Start	1	End	887
Name	OJ990428_05.9819.C44.ol.np	Method	AAT/NAP
Start	1	End	887
GI	5912299	Score	1050
Exons	1..887		
GI Descrip.	(AJ133787) gigantea homologue [Oryza sativa]		
Seq. No.	34589	Seq. ID	OJ990428_05.9819.C44
Gene No.	71506	Strand	+
Start	1	End	887
Name	OJ990428_05.9819.C44.ol.ts	Method	TBLASTX:Soybean
Start	149	End	614
GI	none	Score	439
Exons	149..601, 159..614		
Seq. No.	34589	Seq. ID	OJ990428_05.9819.C44
Gene No.	71506	Strand	+
Start	1	End	887
Name	OJ990428_05.9819.C44.ol.tm	Method	TBLASTX:Maize
Start	200	End	803
GI	none	Score	555
Exons	200..604, 201..650, 201..614, 202..615, 613..795, 627..803, 641..766		
Seq. No.	34589	Seq. ID	OJ990428_05.9819.C44
Gene No.	71506	Strand	+
Start	1	End	887
Name	OJ990428_05.9819.C44.ol.gs	Method	GENSCAN
Start	399	End	794
GI	none	Score	.95
Exons	399..794		
Seq. No.	34590	Seq. ID	OJ990428_05.9819.C46
Gene No.	71507	Strand	+
Start	1	End	950
Name	OJ990428_05.9819.C46.ol.np	Method	AAT/NAP
Start	1	End	950
GI	5912299	Score	792
Exons	1..950		
GI Descrip.	(AJ133787) gigantea homologue [Oryza sativa]		

Seq. No.	34590	Seq. ID	OJ990428_05.9819.C46
Gene No.	71507	Strand	+
Start	1	End	950
Name	OJ990428_05.9819.C46.o1.gp	Method	AAT/GAP
Start	206	End	679
GI	963_1.R1084	Score	896
Exons	206..679		
GI Descrip.	'5912299/emb CAB56058.1 0.0e+00 (AJ133787) gigantea homologue [Oryza sativa]'		

Seq. No.	34590	Seq. ID	OJ990428_05.9819.C46
Gene No.	71507	Strand	+
Start	1	End	950
Name	OJ990428_05.9819.C46.o1.ts	Method	TBLASTX:Soybean
Start	207	End	495
GI	none	Score	108
Exons	207..392, 208..495, 210..482		

Seq. No.	34590	Seq. ID	OJ990428_05.9819.C46
Gene No.	71507	Strand	+
Start	1	End	950
Name	OJ990428_05.9819.C46.o1.tm	Method	TBLASTX:Maize
Start	208	End	678
GI	none	Score	472
Exons	208..531, 211..495, 508..678, 522..677		

Seq. No.	34590	Seq. ID	OJ990428_05.9819.C46
Gene No.	71507	Strand	+
Start	1	End	950
Name	OJ990428_05.9819.C46.o1.gs	Method	GENSCAN
Start	280	End	675
GI	none	Score	.83
Exons	280..675		

Seq. No.	34591	Seq. ID	OJ990428_05.9819.C47
Gene No.	71508	Strand	-
Start	743	End	956
Name	OJ990428_05.9819.C47.o1.gs	Method	GENSCAN
Start	743	End	956
GI	none	Score	.85
Exons	743..956		

Seq. No.	34592	Seq. ID	OJ990428_05.9819.C48
Gene No.	71509	Strand	+
Start	855	End	991
Name	OJ990428_05.9819.C48.o1.gs	Method	GENSCAN
Start	855	End	991
GI	none	Score	.48
Exons	855..991		

Seq. No.	34593	Seq. ID	OJ990428_05.9819.C50
Gene No.	71510	Strand	+
Start	1	End	944
Name	OJ990428_05.9819.C50.o1.np	Method	AAT/NAP
Start	1	End	944
GI	5912299	Score	76

Exons 1..55, 783..944
 GI Descrip. (AJ133787) gigantea homologue [Oryza sativa]

Seq. No.	34593	Seq. ID	OJ990428_05.9819.C50
Gene No.	71510	Strand	+
Start	1	End	944
Name	OJ990428_05.9819.C50.o1.gp	Method	AAT/GAP
Start	781	End	855
GI	963_1.R1084	Score	102
Exons	781..855		
GI Descrip.	'5912299/emb CAB56058.1 0.0e+00 (AJ133787) gigantea homologue [Oryza sativa]'		

Seq. No.	34594	Seq. ID	OJ990428_05.9819.C51
Gene No.	71511	Strand	+
Start	320	End	511
Name	OJ990428_05.9819.C51.o1.gs	Method	GENSCAN
Start	320	End	511
GI	none	Score	.83
Exons	320..511		

Seq. No.	34595	Seq. ID	OJ990428_05.9819.C52
Gene No.	71512	Strand	-
Start	281	End	842
Name	OJ990428_05.9819.C52.o1.tw	Method	TBLASTX:Wheat
Start	271	End	483
GI	none	Score	201
Exons	271..483, 277..381, 278..406		

Seq. No.	34595	Seq. ID	OJ990428_05.9819.C52
Gene No.	71512	Strand	-
Start	281	End	842
Name	OJ990428_05.9819.C52.o1.tm	Method	TBLASTX:Maize
Start	278	End	825
GI	none	Score	51
Exons	278..319, 279..320, 324..407, 326..406, 337..483, 470..664, 561..674, 660..824, 661..825, 664..825		

Seq. No.	34595	Seq. ID	OJ990428_05.9819.C52
Gene No.	71512	Strand	-
Start	281	End	842
Name	OJ990428_05.9819.C52.o1.np	Method	AAT/NAP
Start	281	End	842
GI	6119544	Score	515
Exons	281..842		
GI Descrip.	(AC011560) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34596	Seq. ID	OJ990428_05.9819.C53
Gene No.	71513	Strand	+
Start	228	End	1802
Name	OJ990428_05.9819.C53.o1.gp	Method	AAT/GAP
Start	228	End	693
GI	uC-osrocyp013c01b1	Score	862
Exons	228..693		
GI Descrip.	'2642443 2.0e-17 (AC002391) putative cytochrome P450 [Arabidopsis thaliana]'		

Seq. No. 34596
Gene No. 71513
Start 228
Name OJ990428_05.9819.C53.o1.gs
Start 284
GI none
Exons 284..943, 993..1802

Seq. ID OJ990428_05.9819.C53
Strand +
End 1802
Method GENSCAN
End 1802
Score .65

Seq. No. 34596
Gene No. 71513
Start 228
Name OJ990428_05.9819.C53.o1.np
Start 308
GI 5042164
Exons 308..1799

Seq. ID OJ990428_05.9819.C53
Strand +
End 1802
Method AAT/NAP
End 1799
Score 969

GI Descrip. (AL078620) cytochrome P450-like protein [Arabidopsis thaliana]

Seq. No. 34596
Gene No. 71513
Start 228
Name OJ990428_05.9819.C53.o1.tc
Start 395
GI none
Exons 395..487, 404..973, 511..678

Seq. ID OJ990428_05.9819.C53
Strand +
End 1802
Method TBLASTX:Cress
End 973
Score 372

Seq. No. 34596
Gene No. 71513
Start 228
Name OJ990428_05.9819.C53.o1.ts
Start 395
GI none
Exons 395..970, 1172..1309, 1182..1313, 1344..1442

Seq. ID OJ990428_05.9819.C53
Strand +
End 1802
Method TBLASTX:Soybean
End 1442
Score 380

Seq. No. 34596
Gene No. 71513
Start 228
Name OJ990428_05.9819.C53.o1.tm
Start 410
GI none
Exons 410..529, 412..603, 413..604, 598..834, 599..835

Seq. ID OJ990428_05.9819.C53
Strand +
End 1802
Method TBLASTX:Maize
End 835
Score 279

Seq. No. 34596
Gene No. 71513
Start 228
Name OJ990428_05.9819.C53.o1.tw
Start 679
GI none
Exons 679..963, 686..979, 776..979, 983..1042, 984..1097, 984..1088, 1119..1145

Seq. ID OJ990428_05.9819.C53
Strand +
End 1802
Method TBLASTX:Wheat
End 1145
Score 350

Seq. No. 34596
Gene No. 71513
Start 228
Name OJ990428_05.9819.C53.o2.tm
Start 836
GI none
Exons 836..970, 1203..1292, 1206..1319, 1344..1577, 1397..1579,

Seq. ID OJ990428_05.9819.C53
Strand +
End 1802
Method TBLASTX:Maize
End 1670
Score 59

1602..1670, 1610..1669

Seq. No.	34596	Seq. ID	OJ990428_05.9819.C53
Gene No.	71513	Strand	+
Start	228	End	1802
Name	OJ990428_05.9819.C53.o2.tw	Method	TBLASTX:Wheat
Start	1156	End	1556
GI	none	Score	60
Exons	1156..1245, 1172..1309, 1192..1266, 1203..1313, 1206..1319, 1344..1556		

Seq. No.	34596	Seq. ID	OJ990428_05.9819.C53
Gene No.	71513	Strand	+
Start	228	End	1802
Name	OJ990428_05.9819.C53.o2.tc	Method	TBLASTX:Cress
Start	1344	End	1790
GI	none	Score	348
Exons	1344..1670, 1397..1669, 1740..1790		

Seq. No.	34596	Seq. ID	OJ990428_05.9819.C53
Gene No.	71513	Strand	+
Start	228	End	1802
Name	OJ990428_05.9819.C53.o2.ts	Method	TBLASTX:Soybean
Start	1446	End	1670
GI	none	Score	222
Exons	1446..1670, 1502..1669		

Seq. No.	34597	Seq. ID	OJ990428_05.9819.C54
Gene No.	71514	Strand	+
Start	3152	End	4429
Name	OJ990428_05.9819.C54.o1.gs	Method	GENSCAN
Start	3152	End	4429
GI	none	Score	.5
Exons	3152..3462, 4078..4429		

Seq. No.	34597	Seq. ID	OJ990428_05.9819.C54
Gene No.	71515	Strand	-
Start	804	End	2959
Name	OJ990428_05.9819.C54.o1.gp	Method	AAT/GAP
Start	804	End	1765
GI	none	Score	795
Exons	804..1136, 1670..1765		

Seq. No.	34597	Seq. ID	OJ990428_05.9819.C54
Gene No.	71515	Strand	-
Start	804	End	2959
Name	OJ990428_05.9819.C54.o1.tm	Method	TBLASTX:Maize
Start	1042	End	2016
GI	none	Score	74
Exons	1042..1146, 1050..1130, 1661..1789, 1669..1782, 1671..1787, 1878..2012, 1878..2003, 1879..2016		

Seq. No.	34597	Seq. ID	OJ990428_05.9819.C54
Gene No.	71515	Strand	-
Start	804	End	2959
Name	OJ990428_05.9819.C54.o1.np	Method	AAT/NAP
Start	1616	End	2959

GI 4538935 Score 178
 Exons 1616..1787, 1879..2011, 2861..2959
 GI Descrip. (AL049483) putative protein [Arabidopsis thaliana]

Seq. No. 34597 Seq. ID OJ990428_05.9819.C54
 Gene No. 71515 Strand -
 Start 804 End 2959
 Name OJ990428_05.9819.C54.o1.ts Method TBLASTX:Soybean
 Start 1673 End 1974
 GI none Score 78
 Exons 1673..1789, 1677..1787, 1861..1971, 1878..1973, 1879..1974

Seq. No. 34598 Seq. ID OJ990428_05.9819.C55
 Gene No. 71516 Strand +
 Start 6366 End 8935
 Name OJ990428_05.9819.C55.o1.gp Method AAT/GAP
 Start 6366 End 8935
 GI none Score 876
 Exons 6366..6628, 8155..8289, 8860..8935

Seq. No. 34598 Seq. ID OJ990428_05.9819.C55
 Gene No. 71517 Strand -
 Start 2930 End 5837
 Name OJ990428_05.9819.C55.o1.gs Method GENSCAN
 Start 2930 End 5837
 GI none Score .8
 Exons 2930..2962, 4146..4715, 4728..5837

Seq. No. 34598 Seq. ID OJ990428_05.9819.C55
 Gene No. 71517 Strand -
 Start 2930 End 5837
 Name OJ990428_05.9819.C55.o1.np Method AAT/NAP
 Start 4221 End 4792
 GI 4582457 Score 246
 Exons 4221..4517, 4545..4792
 GI Descrip. (AC007071) putative PHD-type zinc finger protein [Arabidopsis thaliana]

Seq. No. 34598 Seq. ID OJ990428_05.9819.C55
 Gene No. 71518 Strand -
 Start 6349 End 7692
 Name OJ990428_05.9819.C55.o1.tm Method TBLASTX:Maize
 Start 4581 End 4695
 GI none Score 165
 Exons 4581..4694, 4582..4695

Seq. No. 34598 Seq. ID OJ990428_05.9819.C55
 Gene No. 71518 Strand -
 Start 6349 End 7692
 Name OJ990428_05.9819.C55.o2.gs Method GENSCAN
 Start 6349 End 7692
 GI none Score .68
 Exons 6349..6585, 7604..7692

Seq. No. 34599 Seq. ID OJ990428_05.9819.C56
 Gene No. 71519 Strand +
 Start 58 End 816

Name	OJ990428_05.9819.C56.o1.np	Method	AAT/NAP
Start	58	End	816
GI	6119544	Score	184
Exons	58..219, 310..399, 509..647, 776..816		
GI Descrip.	(AC011560) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34599	Seq. ID	OJ990428_05.9819.C56
Gene No.	71519	Strand	+
Start	58	End	816
Name	OJ990428_05.9819.C56.o1.gs	Method	GENSCAN
Start	100	End	647
GI	none	Score	.97
Exons	100..219, 310..399, 509..647		

Seq. No.	34599	Seq. ID	OJ990428_05.9819.C56
Gene No.	71519	Strand	+
Start	58	End	816
Name	OJ990428_05.9819.C56.o1.tm	Method	TBLASTX:Maize
Start	166	End	638
GI	none	Score	49
Exons	166..216, 307..399, 318..398, 518..544, 557..637, 562..636, 599..637, 603..638		

Seq. No.	34600	Seq. ID	OJ990428_05.9819.C57
Gene No.	71520	Strand	+
Start	97	End	1283
Name	OJ990428_05.9819.C57.o1.gs	Method	GENSCAN
Start	97	End	414
GI	none	Score	.76
Exons	97..414		

Seq. No.	34600	Seq. ID	OJ990428_05.9819.C57
Gene No.	71520	Strand	+
Start	97	End	1283
Name	OJ990428_05.9819.C57.o1.np	Method	AAT/NAP
Start	290	End	1283
GI	5042157	Score	157
Exons	290..415, 1185..1283		
GI Descrip.	(AL078620) putative WRKY DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	34600	Seq. ID	OJ990428_05.9819.C57
Gene No.	71520	Strand	+
Start	97	End	1283
Name	OJ990428_05.9819.C57.o1.tc	Method	TBLASTX:Cress
Start	298	End	415
GI	none	Score	188
Exons	298..414, 308..415		

Seq. No.	34600	Seq. ID	OJ990428_05.9819.C57
Gene No.	71520	Strand	+
Start	97	End	1283
Name	OJ990428_05.9819.C57.o1.tm	Method	TBLASTX:Maize
Start	298	End	416
GI	none	Score	183
Exons	298..414, 308..415, 363..416		

Seq. No.	34601	Seq. ID	OJ990428_05.9819.C58
Gene No.	71521	Strand	+
Start	1	End	800
Name	OJ990428_05.9819.C58.o1.np	Method	AAT/NAP
Start	1	End	800
GI	5042161	Score	332
Exons	1..182, 278..463, 747..800		
GI Descrip.	(AL078620) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34601	Seq. ID	OJ990428_05.9819.C58
Gene No.	71521	Strand	+
Start	1	End	800
Name	OJ990428_05.9819.C58.o1.tm	Method	TBLASTX:Maize
Start	92	End	465
GI	none	Score	141
Exons	92..181, 93..182, 275..463, 277..465		

Seq. No.	34601	Seq. ID	OJ990428_05.9819.C58
Gene No.	71521	Strand	+
Start	1	End	800
Name	OJ990428_05.9819.C58.o1.ts	Method	TBLASTX:Soybean
Start	126	End	472
GI	none	Score	56
Exons	126..182, 259..462, 275..463, 276..464, 277..465, 287..472		

Seq. No.	34601	Seq. ID	OJ990428_05.9819.C58
Gene No.	71521	Strand	+
Start	1	End	800
Name	OJ990428_05.9819.C58.o1.gs	Method	GENSCAN
Start	135	End	469
GI	none	Score	.91
Exons	135..182, 278..469		

Seq. No.	34602	Seq. ID	OJ990428_05.9819.C60
Gene No.	71522	Strand	-
Start	348	End	850
Name	OJ990428_05.9819.C60.o1.np	Method	AAT/NAP
Start	348	End	850
GI	862343	Score	148
Exons	348..516, 768..850		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi 1092097 prf 2022314A granule cell marker protein [Mus musculus] gi 1092098 prf 2022315A granule cell marker protein [Mus musculus]		

Seq. No.	34602	Seq. ID	OJ990428_05.9819.C60
Gene No.	71522	Strand	-
Start	348	End	850
Name	OJ990428_05.9819.C60.o1.gp	Method	AAT/GAP
Start	415	End	514
GI	LIB3477-003-P1-K1-E9	Score	161
Exons	415..514		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	34602	Seq. ID	OJ990428_05.9819.C60
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Gene No.	71522	Strand	-
Start	348	End	850
Name	OJ990428_05.9819.C60.o2.gp	Method	AAT/GAP
Start	512	End	691
GI	21474_1.R1084	Score	195
Exons	512..627, 661..691		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	34603	Seq. ID	OJ990428_05.9819.C61
Gene No.	71523	Strand	-
Start	429	End	861
Name	OJ990428_05.9819.C61.o1.tw	Method	TBLASTX:Wheat
Start	419	End	641
GI	none	Score	191
Exons	419..607, 425..529, 426..641		

Seq. No.	34603	Seq. ID	OJ990428_05.9819.C61
Gene No.	71523	Strand	-
Start	429	End	861
Name	OJ990428_05.9819.C61.o1.tm	Method	TBLASTX:Maize
Start	426	End	789
GI	none	Score	51
Exons	426..467, 427..468, 472..555, 474..725, 483..560, 485..625, 724..789		

Seq. No.	34603	Seq. ID	OJ990428_05.9819.C61
Gene No.	71523	Strand	-
Start	429	End	861
Name	OJ990428_05.9819.C61.o1.np	Method	AAT/NAP
Start	429	End	861
GI	6119544	Score	270
Exons	429..861		
GI Descrip.	(AC011560) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34603	Seq. ID	OJ990428_05.9819.C61
Gene No.	71523	Strand	-
Start	429	End	861
Name	OJ990428_05.9819.C61.o1.gs	Method	GENSCAN
Start	434	End	653
GI	none	Score	.66
Exons	434..653		

Seq. No.	34604	Seq. ID	OJ990428_05.9819.C63
Gene No.	71524	Strand	+
Start	407	End	729
Name	OJ990428_05.9819.C63.o1.gs	Method	GENSCAN
Start	407	End	729
GI	none	Score	.62
Exons	407..481, 707..729		

Seq. No.	34605	Seq. ID	OJ990428_05.9819.C64
Gene No.	71525	Strand	+
Start	234	End	305
Name	OJ990428_05.9819.C64.o1.gs	Method	GENSCAN
Start	234	End	305
GI	none	Score	.58

Exons 234..305

Seq. No.	34605	Seq. ID	OJ990428_05.9819.C64
Gene No.	71526	Strand	-
Start	602	End	736
Name	OJ990428_05.9819.C64.o2.gs	Method	GENSCAN
Start	602	End	736
GI	none	Score	.64
Exons	602..736		

Seq. No.	34606	Seq. ID	OJ990428_05.9819.C68
Gene No.	71527	Strand	+
Start	1	End	318
Name	OJ990428_05.9819.C68.o1.np	Method	AAT/NAP
Start	1	End	279
GI	5042161	Score	249
Exons	1..279		
GI Descrip.	(AL078620) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34606	Seq. ID	OJ990428_05.9819.C68
Gene No.	71527	Strand	+
Start	1	End	318
Name	OJ990428_05.9819.C68.o1.tm	Method	TBLASTX:Maize
Start	89	End	318
GI	none	Score	199
Exons	89..280, 90..296, 91..288, 147..296, 154..318		

Seq. No.	34606	Seq. ID	OJ990428_05.9819.C68
Gene No.	71527	Strand	+
Start	1	End	318
Name	OJ990428_05.9819.C68.o1.ts	Method	TBLASTX:Soybean
Start	94	End	302
GI	none	Score	48
Exons	94..279, 96..173, 147..281, 154..282, 234..302		

Seq. No.	34607	Seq. ID	OJ990428_05.9819.C69
Gene No.	71528	Strand	-
Start	562	End	1173
Name	OJ990428_05.9819.C69.o1.np	Method	AAT/NAP
Start	562	End	1173
GI	6069646	Score	129
Exons	562..690, 1142..1173		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	34608	Seq. ID	OJ990428_05.9819.C71
Gene No.	71529	Strand	+
Start	197	End	1496
Name	OJ990428_05.9819.C71.o1.gp	Method	AAT/GAP
Start	197	End	1496
GI	9631.R1084	Score	2528
Exons	197..1496		
GI Descrip.	'5912299/emb CAB56058.1 0.0e+00 (AJ133787) gigantea homologue [Oryza sativa]'		

Seq. No.	34608	Seq. ID	OJ990428_05.9819.C71
Gene No.	71530	Strand	-
Start	1	End	2362
Name	OJ990428_05.9819.C71.o1.np	Method	AAT/NAP
Start	1	End	2362
GI	5912299	Score	2140
Exons	1..1542, 2303..2362		
GI Descrip.	(AJ133787) gigantea homologue [Oryza sativa]		

Seq. No.	34608	Seq. ID	OJ990428_05.9819.C71
Gene No.	71530	Strand	-
Start	1	End	2362
Name	OJ990428_05.9819.C71.o1.tm	Method	TBLASTX:Maize
Start	198	End	795
GI	none	Score	200
Exons	198..368, 199..354, 345..794, 380..793, 391..795		

Seq. No.	34608	Seq. ID	OJ990428_05.9819.C71
Gene No.	71530	Strand	-
Start	1	End	2362
Name	OJ990428_05.9819.C71.o1.gs	Method	GENSCAN
Start	201	End	1542
GI	none	Score	57
Exons	201..806, 949..1542		

Seq. No.	34608	Seq. ID	OJ990428_05.9819.C71
Gene No.	71530	Strand	-
Start	1	End	2362
Name	OJ990428_05.9819.C71.o1.ts	Method	TBLASTX:Soybean
Start	381	End	1137
GI	none	Score	328
Exons	381..917, 394..912, 690..929, 918..1124, 937..1125, 937..1137, 1010..1132		

Seq. No.	34608	Seq. ID	OJ990428_05.9819.C71
Gene No.	71530	Strand	-
Start	1	End	2362
Name	OJ990428_05.9819.C71.o1.tc	Method	TBLASTX:Cress
Start	855	End	1299
GI	none	Score	71
Exons	855..902, 856..897, 913..1140, 1013..1129, 1162..1299, 1166..1297, 1174..1299		

Seq. No.	34608	Seq. ID	OJ990428_05.9819.C71
Gene No.	71530	Strand	-
Start	1	End	2362
Name	OJ990428_05.9819.C71.o2.tm	Method	TBLASTX:Maize
Start	1048	End	1503
GI	none	Score	576
Exons	1048..1503, 1049..1498		

Seq. No.	34608	Seq. ID	OJ990428_05.9819.C71
Gene No.	71530	Strand	-
Start	1	End	2362
Name	OJ990428_05.9819.C71.o2.ts	Method	TBLASTX:Soybean
Start	1144	End	1497

GI none
Exons 1144..1497, 1166..1492

Score 289

Seq. No. 34609 Seq. ID OJ990428_05.9819.C73
Gene No. 71531 Strand +
Start 1 End 618
Name OJ990428_05.9819.C73.o1.np Method AAT/NAP
Start 1 End 618
GI 6069646 Score 148
Exons 1..56, 489..618
GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315)
[Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to
Arabidopsis thaliana chromosome II BAC F9013 genomic sequence,
putative non-LTR retroelement reverse transcriptase. (AC006248)
[Oryza sativa]

Seq. No. 34609 Seq. ID OJ990428_05.9819.C73
Gene No. 71532 Strand +
Start 1347 End 2520
Name OJ990428_05.9819.C73.o1.gs Method GENSCAN
Start 1347 End 2520
GI none Score 69
Exons 1347, 1384, 1499, 1628, 2380, 2520

Seq. No. 34609 Seq. ID OJ990428_05.9819.C73
Gene No. 71533 Strand +
Start 5351 End 9055
Name OJ990428_05.9819.C73.o1.tw Method TBLASTX:Wheat
Start 5342 End 6864
GI none Score 38
Exons 5342..5386, 5498..5554, 5499..5561, 5507..5551, 5745..5798,
6661..6780, 6678..6791, 6679..6807, 6781..6864

Seq. No. 34609 Seq. ID OJ990428_05.9819.C73
Gene No. 71533 Strand +
Start 5351 End 9055
Name OJ990428_05.9819.C73.o2.gs Method GENSCAN
Start 5351 End 8506
GI none Score .93
Exons 5351..5386, 5501..5612, 5752..5808, 6659..7820, 7919..8027,
8364..8506

Seq. No. 34609 Seq. ID OJ990428_05.9819.C73
Gene No. 71533 Strand +
Start 5351 End 9055
Name OJ990428_05.9819.C73.o2.np Method AAT/NAP
Start 5421 End 9055
GI 4204695 Score 877
Exons 5421..5621, 6640..7373, 7476..7820, 7919..8027, 8364..8511,
9005..9055
GI Descrip. (AF117062) putative inositol polyphosphate 5-phosphatase At5P1
[Arabidopsis thaliana]

Seq. No. 34609 Seq. ID OJ990428_05.9819.C73
Gene No. 71533 Strand +
Start 5351 End 9055
Name OJ990428_05.9819.C73.o2.tm Method TBLASTX:Maize

Start	6675	End	7029
GI	none	Score	245
Exons	6675..6791, 6676..6828, 6820..6903, 6826..6945, 6861..6932, 6986..7015, 6993..7028, 6994..7029		

Seq. No.	34609	Seq. ID	OJ990428_05.9819.C73
Gene No.	71533	Strand	+
Start	5351	End	9055
Name	OJ990428_05.9819.C73.o1.tc	Method	TBLASTX:Cress
Start	6687	End	8515
GI	none	Score	164
Exons	6687..6788, 6688..6819, 6835..6945, 6997..7029, 7279..7341, 7474..7782, 7509..7562, 7677..7778, 7919..8044, 7920..8030, 8358..8507, 8372..8515		

Seq. No.	34609	Seq. ID	OJ990428_05.9819.C73
Gene No.	71533	Strand	+
Start	5351	End	9055
Name	OJ990428_05.9819.C73.o2.ts	Method	TBLASTX:Soybean
Start	6694	End	6897
GI	none	Score	161
Exons	6694..6819, 6702..6788, 6835..6897, 6864..6896		

Seq. No.	34609	Seq. ID	OJ990428_05.9819.C73
Gene No.	71533	Strand	+
Start	5351	End	9055
Name	OJ990428_05.9819.C73.o1.gp	Method	AAT/GAP
Start	6975	End	7430
GI	uC-osrocyp003b08a1	Score	829
Exons	6975..7430		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 6.0e-46 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	34609	Seq. ID	OJ990428_05.9819.C73
Gene No.	71533	Strand	+
Start	5351	End	9055
Name	OJ990428_05.9819.C73.o1.tm	Method	TBLASTX:Maize
Start	7459	End	7955
GI	none	Score	375
Exons	7459..7782, 7479..7562, 7665..7802, 7789..7821, 7920..7955		

Seq. No.	34609	Seq. ID	OJ990428_05.9819.C73
Gene No.	71533	Strand	+
Start	5351	End	9055
Name	OJ990428_05.9819.C73.o1.ts	Method	TBLASTX:Soybean
Start	7495	End	8495
GI	none	Score	314
Exons	7495..7785, 7510..7590, 7689..7781, 7920..8030, 7923..8027, 8358..8495, 8360..8473		

Seq. No.	34609	Seq. ID	OJ990428_05.9819.C73
Gene No.	71533	Strand	+
Start	5351	End	9055
Name	OJ990428_05.9819.C73.o3.tm	Method	TBLASTX:Maize
Start	7956	End	8534
GI	none	Score	77
Exons	7956..8036, 8358..8534, 8363..8515		

Seq. No.	34610	Seq. ID	OJ990428_05.9819.C74
Gene No.	71534	Strand	+
Start	653	End	1072
Name	OJ990428_05.9819.C74.o1.np	Method	AAT/NAP
Start	653	End	852
GI	6682606	Score	189
Exons	653..852		
GI Descrip.	(AC016163) putative inositol polyphosphate phosphatase, 5' partial [Arabidopsis thaliana]		

Seq. No.	34610	Seq. ID	OJ990428_05.9819.C74
Gene No.	71534	Strand	+
Start	653	End	1072
Name	OJ990428_05.9819.C74.o1.gs	Method	GENSCAN
Start	663	End	902
GI	none	Score	.77
Exons	663..902		

Seq. No.	34610	Seq. ID	OJ990428_05.9819.C74
Gene No.	71534	Strand	+
Start	653	End	1072
Name	OJ990428_05.9819.C74.o1.gp	Method	AAT/GAP
Start	709	End	1072
GI	none	Score	564
Exons	709..1072		

Seq. No.	34610	Seq. ID	OJ990428_05.9819.C74
Gene No.	71535	Strand	+
Start	986	End	1255
Name	OJ990428_05.9819.C74.o2.gp	Method	AAT/GAP
Start	986	End	1255
GI	none	Score	420
Exons	986..1255		

Seq. No.	34610	Seq. ID	OJ990428_05.9819.C74
Gene No.	71536	Strand	-
Start	1985	End	5709
Name	OJ990428_05.9819.C74.o1.tc	Method	TBLASTX:Cress
Start	654	End	825
GI	none	Score	186
Exons	654..770, 655..825		

Seq. No.	34610	Seq. ID	OJ990428_05.9819.C74
Gene No.	71536	Strand	-
Start	1985	End	5709
Name	OJ990428_05.9819.C74.o3.ts	Method	TBLASTX:Soybean
Start	654	End	825
GI	none	Score	220
Exons	654..773, 655..825		

Seq. No.	34610	Seq. ID	OJ990428_05.9819.C74
Gene No.	71536	Strand	-
Start	1985	End	5709
Name	OJ990428_05.9819.C74.o3.tm	Method	TBLASTX:Maize
Start	675	End	840
GI	none	Score	199

Exons 675..773, 676..840, 772..837

Seq. No.	34610	Seq. ID	OJ990428_05.9819.C74
Gene No.	71536	Strand	-
Start	1985	End	5709
Name	OJ990428_05.9819.C74.o1.tw	Method	TBLASTX:Wheat
Start	1981	End	2169
GI	none	Score	192
Exons	1981..2169, 1987..2091, 1988..2116		

Seq. No.	34610	Seq. ID	OJ990428_05.9819.C74
Gene No.	71536	Strand	-
Start	1985	End	5709
Name	OJ990428_05.9819.C74.o2.gs	Method	GENSCAN
Start	1985	End	5681
GI	none	Score	.76
Exons	1985..3004, 3260..3308, 4158..4225, 4474..4571, 5227..5272, 5382..5471, 5562..5681		

Seq. No.	34610	Seq. ID	OJ990428_05.9819.C74
Gene No.	71536	Strand	-
Start	1985	End	5709
Name	OJ990428_05.9819.C74.o2.tm	Method	TBLASTX:Maize
Start	1988	End	2497
GI	none	Score	51
Exons	1988..2029, 1989..2030, 2034..2117, 2036..2116, 2047..2187, 2264..2497, 2268..2489, 2332..2490		

Seq. No.	34610	Seq. ID	OJ990428_05.9819.C74
Gene No.	71536	Strand	-
Start	1985	End	5709
Name	OJ990428_05.9819.C74.o2.np	Method	AAT/NAP
Start	1991	End	5709
GI	6119544	Score	1417
Exons	1991..3004, 3260..3308, 4158..4225, 4474..4592, 5134..5272, 5382..5471, 5562..5709		

GI Descrip. (AC011560) hypothetical protein [Arabidopsis thaliana]

Seq. No.	34610	Seq. ID	OJ990428_05.9819.C74
Gene No.	71536	Strand	-
Start	1985	End	5709
Name	OJ990428_05.9819.C74.o1.ts	Method	TBLASTX:Soybean
Start	2417	End	2810
GI	none	Score	70
Exons	2417..2539, 2417..2548, 2418..2546, 2522..2803, 2540..2809, 2646..2810		

Seq. No.	34610	Seq. ID	OJ990428_05.9819.C74
Gene No.	71536	Strand	-
Start	1985	End	5709
Name	OJ990428_05.9819.C74.o1.tm	Method	TBLASTX:Maize
Start	2498	End	5206
GI	none	Score	701
Exons	2498..3013, 2499..3005, 2518..3015, 2872..3018, 3260..3310, 4155..4226, 4157..4225, 4469..4594, 4471..4593, 5135..5182, 5135..5206, 5136..5201		

Seq. No.	34610	Seq. ID	OJ990428_05.9819.C74
Gene No.	71536	Strand	-
Start	1985	End	5709
Name	OJ990428_05.9819.C74.o2.ts	Method	TBLASTX:Soybean
Start	2810	End	3011
GI	none	Score	143
Exons	2810..3007, 2811..3005, 2828..3007, 2922..3011		

Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71537	Strand	+
Start	4448	End	9937
Name	OJ990428_05.9819.C75.o2.np	Method	AAT/NAP
Start	4448	End	9082
GI	4680203	Score	3338
Exons	4448..4495, 5772..7444, 7598..7825, 8102..9082		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71537	Strand	+
Start	4448	End	9937
Name	OJ990428_05.9819.C75.o2.gp	Method	AAT/GAP
Start	5324	End	6845
GI	2310235	Score	304
Exons	5324..5361, 5772..5911, 6788..6845		
GI Descrip.	5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71537	Strand	+
Start	4448	End	9937
Name	OJ990428_05.9819.C75.o2.gs	Method	GENSCAN
Start	5772	End	9103
GI	none	Score	.65
Exons	5772..6842, 6887..9103		

Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71537	Strand	+
Start	4448	End	9937
Name	OJ990428_05.9819.C75.o3.gp	Method	AAT/GAP
Start	5776	End	9864
GI	342_1.R1084	Score	6661
Exons	5776..9175, 9211..9230, 9313..9410, 9520..9864		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71537	Strand	+
Start	4448	End	9937
Name	OJ990428_05.9819.C75.o5.gp	Method	AAT/GAP
Start	5776	End	9863
GI	342_1.R1084	Score	6659
Exons	5776..9175, 9211..9230, 9313..9410, 9520..9863		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71537	Strand	+

Start	4448	End	9937
Name	OJ990428_05.9819.C75.o6.gp	Method	AAT/GAP
Start	5776	End	9857
GI	342_1.R1084	Score	6651
Exons	5776..9175, 9211..9230, 9313..9410, 9520..9857		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71537	Strand	+
Start	4448	End	9937
Name	OJ990428_05.9819.C75.o4.gp	Method	AAT/GAP
Start	5776	End	9866
GI	342_1.R1084	Score	6665
Exons	5776..9175, 9211..9230, 9313..9410, 9520..9866		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71537	Strand	+
Start	4448	End	9937
Name	OJ990428_05.9819.C75.o7.gp	Method	AAT/GAP
Start	5942	End	9937
GI	342_1.R1084	Score	6576
Exons	5942..9175, 9211..9230, 9313..9410, 9520..9937		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71538	Strand	-
Start	2054	End	5401
Name	OJ990428_05.9819.C75.o1.gs	Method	GENSCAN
Start	2054	End	4371
GI	none	Score	.5
Exons	2054..2192, 3671..3988, 4091..4371		

Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71538	Strand	-
Start	2054	End	5401
Name	OJ990428_05.9819.C75.o1.np	Method	AAT/NAP
Start	3169	End	5401
GI	5042157	Score	154
Exons	3169..3352, 3671..3795, 5345..5401		
GI Descrip.	(AL078620) putative WRKY DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71538	Strand	-
Start	2054	End	5401
Name	OJ990428_05.9819.C75.o3.tm	Method	TBLASTX:Maize
Start	3669	End	3778
GI	none	Score	65
Exons	3669..3722, 3670..3777, 3671..3778		

Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71538	Strand	-
Start	2054	End	5401

Name	OJ990428_05.9819.C75.o3.tc	Method	TBLASTX:Cress
Start	3670	End	3778
GI	none	Score	124
Exons	3670..3777, 3671..3778		
Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71539	Strand	
Start	6123	End	6474
Name	OJ990428_05.9819.C75.o4.tw	Method	TBLASTX:Wheat
Start	6123	End	6474
GI	none	Score	103
Exons	6123..6230, 6213..6464, 6221..6463, 6223..6474		
Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71540	Strand	
Start	6395	End	7267
Name	OJ990428_05.9819.C75.o1.ts	Method	TBLASTX:Soybean
Start	6395	End	6824
GI	none	Score	102
Exons	6395..6478, 6396..6470, 6471..6533, 6528..6824, 6560..6811		
Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71540	Strand	
Start	6395	End	7267
Name	OJ990428_05.9819.C75.o2.tc	Method	TBLASTX:Cress
Start	6557	End	6872
GI	none	Score	278
Exons	6557..6709, 6564..6872, 6749..6844		
Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71540	Strand	
Start	6395	End	7267
Name	OJ990428_05.9819.C75.o2.tw	Method	TBLASTX:Wheat
Start	6693	End	7161
GI	none	Score	72
Exons	6693..6746, 6701..6745, 6747..6851, 6758..6847, 6865..6951, 6866..6952, 6932..7156, 6952..7161, 6953..7156, 6955..7161		
Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71540	Strand	
Start	6395	End	7267
Name	OJ990428_05.9819.C75.o1.tm	Method	TBLASTX:Maize
Start	6750	End	7195
GI	none	Score	108
Exons	6750..6872, 6758..6871, 6866..6991, 6872..6991, 7001..7195		
Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71540	Strand	
Start	6395	End	7267
Name	OJ990428_05.9819.C75.o2.ts	Method	TBLASTX:Soybean
Start	7025	End	7267
GI	none	Score	216
Exons	7025..7267		
Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71541	Strand	
Start	7300	End	7710

Name	OJ990428_05.9819.C75.o3.tw	Method	TBLASTX:Wheat
Start	7300	End	7710
GI	none	Score	87
Exons	7300..7350, 7301..7363, 7369..7551, 7373..7591, 7619..7708, 7624..7710, 7625..7708		

Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71542	Strand	
Start	7711	End	9028
Name	OJ990428_05.9819.C75.o1.tw	Method	TBLASTX:Wheat
Start	7711	End	9028
GI	none	Score	884
Exons	7711..8613, 7712..8629, 8624..8668, 8628..8663, 8671..8766, 8675..8734, 8713..8853, 8714..8854, 8867..8947, 8936..9028		

Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71542	Strand	
Start	7711	End	9028
Name	OJ990428_05.9819.C75.o2.tm	Method	TBLASTX:Maize
Start	7754	End	8068
GI	none	Score	322
Exons	7754..8068, 7765..8040, 7838..8068		

Seq. No.	34611	Seq. ID	OJ990428_05.9819.C75
Gene No.	71542	Strand	
Start	7711	End	9028
Name	OJ990428_05.9819.C75.o1.tc	Method	TBLASTX:Cress
Start	7995	End	8446
GI	none	Score	167
Exons	7995..8177, 7999..8436, 7999..8442, 8003..8446, 8009..8446		

Seq. No.	34612	Seq. ID	OJ990428_05.9819.C76
Gene No.	71543	Strand	+
Start	542	End	4256
Name	OJ990428_05.9819.C76.o1.np	Method	AAT/NAP
Start	542	End	4238
GI	4680204	Score	1036
Exons	542..1978, 2053..3150, 3260..3433, 3530..3750, 4101..4238		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	34612	Seq. ID	OJ990428_05.9819.C76
Gene No.	71543	Strand	+
Start	542	End	4256
Name	OJ990428_05.9819.C76.o1.gs	Method	GENSCAN
Start	557	End	4256
GI	none	Score	.63
Exons	557..1978, 2053..2462, 2503..3150, 3260..3433, 3530..3640, 3726..3798, 3893..3991, 4071..4256		

Seq. No.	34612	Seq. ID	OJ990428_05.9819.C76
Gene No.	71544	Strand	-
Start	6225	End	9071
Name	OJ990428_05.9819.C76.o1.tw	Method	TBLASTX:Wheat
Start	1185	End	1588
GI	none	Score	62
Exons	1185..1325, 1185..1301, 1187..1423, 1187..1366, 1288..1455, 1418..1588		

Seq. No.	34612	Seq. ID	OJ990428_05.9819.C76
Gene No.	71544	Strand	-
Start	6225	End	9071
Name	OJ990428_05.9819.C76.o2.tw	Method	TBLASTX:Wheat
Start	3077	End	3599
GI	none	Score	60
Exons	3077..3157, 3246..3428, 3296..3421, 3528..3599		

Seq. No.	34612	Seq. ID	OJ990428_05.9819.C76
Gene No.	71544	Strand	-
Start	6225	End	9071
Name	OJ990428_05.9819.C76.o2.gs	Method	GENSCAN
Start	6225	End	9071
GI	none	Score	.74
Exons	6225..6380, 6669..6756, 6849..6950, 7641..7800, 8996..9071		

Seq. No.	34613	Seq. ID	OJ990428_05.9819.C77
Gene No.	71545	Strand	+
Start	164	End	2923
Name	OJ990428_05.9819.C77.o1.gs	Method	GENSCAN
Start	164	End	2923
GI	none	Score	.42
Exons	164..202, 443..574, 1340..1465, 2105..2616, 2834..2923		

Seq. No.	34613	Seq. ID	OJ990428_05.9819.C77
Gene No.	71545	Strand	+
Start	164	End	2923
Name	OJ990428_05.9819.C77.o1.tm	Method	TBLASTX:Maize
Start	1826	End	2089
GI	none	Score	328
Exons	1826..2089, 1843..2088		

Seq. No.	34613	Seq. ID	OJ990428_05.9819.C77
Gene No.	71545	Strand	+
Start	164	End	2923
Name	OJ990428_05.9819.C77.o2.tm	Method	TBLASTX:Maize
Start	2169	End	2340
GI	none	Score	214
Exons	2169..2339, 2170..2340, 2171..2338		

Seq. No.	34614	Seq. ID	OJ990428_05.9819.C79
Gene No.	71546	Strand	-
Start	189	End	384
Name	OJ990428_05.9819.C79.o1.tm	Method	TBLASTX:Maize
Start	188	End	384
GI	none	Score	153
Exons	188..313, 189..326, 190..384		

Seq. No.	34614	Seq. ID	OJ990428_05.9819.C79
Gene No.	71546	Strand	-
Start	189	End	384
Name	OJ990428_05.9819.C79.o1.gs	Method	GENSCAN
Start	189	End	321
GI	none	Score	.54
Exons	189..321		

Seq. No.	34615	Seq. ID	OJ990428_05.9819.C80
Gene No.	71547	Strand	-
Start	466	End	612
Name	OJ990428_05.9819.C80.o1.gp	Method	AAT/GAP
Start	276	End	612
GI	none	Score	593
Exons	276..612		

Seq. No.	34615	Seq. ID	OJ990428_05.9819.C80
Gene No.	71547	Strand	-
Start	466	End	612
Name	OJ990428_05.9819.C80.o1.gs	Method	GENSCAN
Start	466	End	608
GI	none	Score	.93
Exons	466..608		

Seq. No.	34616	Seq. ID	OJ990408_05.9819.C1
Gene No.	71548	Strand	+
Start	296	End	395
Name	OJ990408_05.9819.C1.o1.gs	Method	GENSCAN
Start	296	End	395
GI	none	Score	.94
Exons	296..395		

Seq. No.	34617	Seq. ID	OJ990408_05.9819.C3
Gene No.	71549	Strand	+
Start	636	End	16856
Name	OJ990408_05.9819.C3.o1.np	Method	AAT/NAP
Start	636	End	6118
GI	5257279	Score	676
Exons	636..1076, 4091..4187, 6086..6118		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	34617	Seq. ID	OJ990408_05.9819.C3
Gene No.	71549	Strand	+
Start	636	End	16856
Name	OJ990408_05.9819.C3.o1.gs	Method	GENSCAN
Start	838	End	2564
GI	none	Score	.4
Exons	838..1107, 2457..2564		

Seq. No.	34617	Seq. ID	OJ990408_05.9819.C3
Gene No.	71549	Strand	+
Start	636	End	16856
Name	OJ990408_05.9819.C3.o2.gs	Method	GENSCAN
Start	3212	End	16856
GI	none	Score	.58
Exons	3212..3268, 3302..3413, 4819..4967, 4981..5306, 6358..6480, 6731..6868, 12444..12619, 13672..13722, 16768..16856		

Seq. No.	34617	Seq. ID	OJ990408_05.9819.C3
Gene No.	71549	Strand	+
Start	636	End	16856
Name	OJ990408_05.9819.C3.o1.gp	Method	AAT/GAP
Start	16546	End	16731
GI	3061021	Score	275

Exons 16546..16731
 GI Descrip. 2642159 2.0e-20 (AC003000) putative mannose-1-phosphate
 guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484)
 GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925
 (AF108660) CYT1 protein [Arabidopsis thaliana]

Seq. No.	34617	Seq. ID	OJ990408_05.9819.C3
Gene No.	71550	Strand	-
Start	12555	End	14477
Name	OJ990408_05.9819.C3.o2.np	Method	AAT/NAP
Start	12555	End	14477
GI	5852093	Score	59
Exons	12555..12580, 14301..14477		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	34617	Seq. ID	OJ990408_05.9819.C3
Gene No.	71551	Strand	-
Start	19881	End	21319
Name	OJ990408_05.9819.C3.o3.gs	Method	GENSCAN
Start	19881	End	21319
GI	none	Score	.99
Exons	19881..20066, 21220..21319		

Seq. No.	34618	Seq. ID	OJ990408_05.9819.C4
Gene No.	71552	Strand	+
Start	267	End	535
Name	OJ990408_05.9819.C4.o1.np	Method	AAT/NAP
Start	267	End	535
GI	4680502	Score	58
Exons	267..535		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	34618	Seq. ID	OJ990408_05.9819.C4
Gene No.	71553	Strand	-
Start	330	End	14516
Name	OJ990408_05.9819.C4.o1.gs	Method	GENSCAN
Start	330	End	14365
GI	none	Score	.7
Exons	330..444, 1057..1557, 1602..2150, 2994..3050, 3615..3974, 4027..4310, 4621..5199, 5345..5400, 5542..5707, 5760..5879, 5954..6448, 6576..6634, 7848..8125, 8951..9715, 9822..9974, 10047..10145, 10237..10812, 10877..11006, 12185..12330, 13745..13840, 14267..14365		

Seq. No.	34618	Seq. ID	OJ990408_05.9819.C4
Gene No.	71553	Strand	-
Start	330	End	14516
Name	OJ990408_05.9819.C4.o2.np	Method	AAT/NAP
Start	7836	End	14516
GI	2244771	Score	1125
Exons	7836..8125, 8951..9715, 9822..9974, 10047..10145, 10243..10806, 10877..11227, 11467..11996, 12185..12330, 13251..13346, 13745..13857, 13967..14170, 14263..14516		
GI Descrip.	(Z97335) kinesin like protein [Arabidopsis thaliana]		

Seq. No.	34618	Seq. ID	OJ990408_05.9819.C4
Gene No.	71553	Strand	-

Start	330	End	14516
Name	OJ990408_05.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	7901	End	9133
GI	none	Score	136
Exons	7901..8038, 8024..8149, 8951..9133, 8952..9128		

Seq. No.	34618	Seq. ID	OJ990408_05.9819.C4
Gene No.	71553	Strand	-
Start	330	End	14516
Name	OJ990408_05.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	9248	End	9966
GI	none	Score	114
Exons	9248..9427, 9249..9494, 9517..9717, 9530..9739, 9816..9965, 9817..9966, 9819..9965		

Seq. No.	34618	Seq. ID	OJ990408_05.9819.C4
Gene No.	71553	Strand	-
Start	330	End	14516
Name	OJ990408_05.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	9512	End	10146
GI	none	Score	143
Exons	9512..9613, 9620..9739, 9817..9975, 9819..9974, 10044..10145, 10045..10146		

Seq. No.	34618	Seq. ID	OJ990408_05.9819.C4
Gene No.	71553	Strand	-
Start	330	End	14516
Name	OJ990408_05.9819.C4.o2.tm	Method	TBLASTX:Maize
Start	10867	End	11215
GI	none	Score	91
Exons	10867..10974, 10877..10975, 10877..11029, 11085..11213, 11090..11215, 11094..11213, 11099..11215		

Seq. No.	34618	Seq. ID	OJ990408_05.9819.C4
Gene No.	71553	Strand	-
Start	330	End	14516
Name	OJ990408_05.9819.C4.o2.ts	Method	TBLASTX:Soybean
Start	10877	End	11140
GI	none	Score	72
Exons	10877..11008, 11093..11140		

Seq. No.	34619	Seq. ID	OJ990408_05.9819.C5
Gene No.	71554	Strand	+
Start	1	End	718
Name	OJ990408_05.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	718
GI	3953478	Score	219
Exons	1..231, 439..718		
GI Descrip.	(AC002328) F2202.23 [Arabidopsis thaliana]		

Seq. No.	34619	Seq. ID	OJ990408_05.9819.C5
Gene No.	71554	Strand	+
Start	1	End	718
Name	OJ990408_05.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	14	End	630
GI	none	Score	112
Exons	14..145, 48..143, 49..162, 58..153, 435..629, 446..619,		

447..620, 448..630

Seq. No.	34619	Seq. ID	OJ990408_05.9819.C5
Gene No.	71554	Strand	+
Start	1	End	718
Name	OJ990408_05.9819.C5.o1.tc	Method	TBLASTX:Cress
Start	47	End	690
GI	none	Score	77
Exons	47..127, 54..134, 436..690, 495..605		

Seq. No.	34619	Seq. ID	OJ990408_05.9819.C5
Gene No.	71554	Strand	+
Start	1	End	718
Name	OJ990408_05.9819.C5.o1.gs	Method	GENSCAN
Start	436	End	664
GI	none	Score	.59
Exons	436..664		

Seq. No.	34619	Seq. ID	OJ990408_05.9819.C5
Gene No.	71554	Strand	+
Start	1	End	718
Name	OJ990408_05.9819.C5.o1.ts	Method	TBLASTX:Soybean
Start	495	End	663
GI	none	Score	196
Exons	495..656, 496..663		

Seq. No.	34620	Seq. ID	OJ990408_05.9819.C6
Gene No.	71555	Strand	+
Start	3927	End	6266
Name	OJ990408_05.9819.C6.o2.gs	Method	GENSCAN
Start	3927	End	5747
GI	none	Score	.6
Exons	3927..3933, 5476..5747		

Seq. No.	34620	Seq. ID	OJ990408_05.9819.C6
Gene No.	71555	Strand	+
Start	3927	End	6266
Name	OJ990408_05.9819.C6.o1.np	Method	AAT/NAP
Start	5308	End	5389
GI	6630699	Score	87
Exons	5308..5389		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	34620	Seq. ID	OJ990408_05.9819.C6
Gene No.	71555	Strand	+
Start	3927	End	6266
Name	OJ990408_05.9819.C6.o2.np	Method	AAT/NAP
Start	5525	End	6266
GI	6539570	Score	208
Exons	5525..5717, 5877..5943, 6233..6266		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	34620	Seq. ID	OJ990408_05.9819.C6
Gene No.	71556	Strand	-
Start	1220	End	1442

Name	OJ990408_05.9819.C6.o1.gs	Method	GENSCAN
Start	1220	End	1442
GI	none	Score	.99
Exons	1220..1442		

Seq. No.	34621	Seq. ID	OJ990408_05.9819.C7
Gene No.	71557	Strand	+
Start	1	End	597
Name	OJ990408_05.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	594
GI	5922620	Score	171
Exons	1..28, 384..594		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34621	Seq. ID	OJ990408_05.9819.C7
Gene No.	71557	Strand	+
Start	1	End	597
Name	OJ990408_05.9819.C7.o1.gs	Method	GENSCAN
Start	145	End	597
GI	none	Score	.97
Exons	145..597		

Seq. No.	34621	Seq. ID	OJ990408_05.9819.C7
Gene No.	71558	Strand	+
Start	4516	End	8608
Name	OJ990408_05.9819.C7.o3.gs	Method	GENSCAN
Start	4516	End	8608
GI	none	Score	.43
Exons	4516..4578, 4621..4785, 5169..5245, 8485..8608		

Seq. No.	34621	Seq. ID	OJ990408_05.9819.C7
Gene No.	71559	Strand	-
Start	734	End	2078
Name	OJ990408_05.9819.C7.o2.np	Method	AAT/NAP
Start	734	End	2078
GI	6630699	Score	72
Exons	734..812, 1984..2078		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	34621	Seq. ID	OJ990408_05.9819.C7
Gene No.	71560	Strand	-
Start	2132	End	3570
Name	OJ990408_05.9819.C7.o2.gs	Method	GENSCAN
Start	2132	End	3570
GI	none	Score	.42
Exons	2132..2222, 2944..3095, 3445..3570		

Seq. No.	34622	Seq. ID	OJ990408_05.9819.C8
Gene No.	71561	Strand	+
Start	331	End	884
Name	OJ990408_05.9819.C8.o1.gs	Method	GENSCAN

Start 331
GI none
Exons 331..648, 732..884

End 884
Score .89

Seq. No. 34623
Gene No. 71562
Start 532
Name OJ990408_05.9819.C9.ol.gs
Start 532
GI none
Exons 532..804

Seq. ID OJ990408_05.9819.C9
Strand +
End 804
Method GENSCAN
End 804
Score .64

Seq. No. 34624
Gene No. 71563
Start 616
Name OJ990408_05.9819.C10.ol.gs
Start 616
GI none
Exons 616..713

Seq. ID OJ990408_05.9819.C10
Strand -
End 713
Method GENSCAN
End 713
Score .96

Seq. No. 34625
Gene No. 71564
Start 1
Name OJ990408_05.9819.C11.ol.np
Start 1
GI 2244771
Exons 1..144, 238..378, 723..741
GI Descrip. (Z97335) kinesin like protein [Arabidopsis thaliana]

Seq. ID OJ990408_05.9819.C11
Strand +
End 741
Method AAT/NAP
End 741
Score 160

Seq. No. 34626
Gene No. 71565
Start 240
Name OJ990408_05.9819.C12.ol.np
Start 240
GI 6539585
Exons 240..495
GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. ID OJ990408_05.9819.C12
Strand -
End 495
Method AAT/NAP
End 495
Score 88

Seq. No. 34627
Gene No. 71566
Start 267
Name OJ990408_05.9819.C16.ol.np
Start 267
GI 6539585
Exons 267..437, 559..632
GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. ID OJ990408_05.9819.C16
Strand +
End 632
Method AAT/NAP
End 632
Score 88

Seq. No. 34627
Gene No. 71567
Start 513
Name OJ990408_05.9819.C16.ol.gs
Start 513
GI none
Exons 513..599, 658..713

Seq. ID OJ990408_05.9819.C16
Strand -
End 713
Method GENSCAN
End 713
Score .95

Seq. No. 34628
Gene No. 71568

Seq. ID OJ990408_07.9819.C2
Strand +

Start	1	End	710
Name	OJ990408_07.9819.C2.o1.np	Method	AAT/NAP
Start	1	End	710
GI	6598346	Score	68
Exons	1..290, 646..710		
GI Descrip.	(AC002336) unknown protein [Arabidopsis thaliana]		

Seq. No.	34628	Seq. ID	OJ990408_07.9819.C2
Gene No.	71568	Strand	+
Start	1	End	710
Name	OJ990408_07.9819.C2.o1.gs	Method	GENSCAN
Start	95	End	515
GI	none	Score	.94
Exons	95..349, 386..515		

Seq. No.	34628	Seq. ID	OJ990408_07.9819.C2
Gene No.	71568	Strand	+
Start	1	End	710
Name	OJ990408_07.9819.C2.o1.gp	Method	AAT/GAP
Start	196	End	710
GI	2280832	Score	377
Exons	196..345, 647..710		

Seq. No.	34629	Seq. ID	OJ990408_07.9819.C4
Gene No.	71569	Strand	
Start	499	End	694
Name	OJ990408_07.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	499	End	694
GI	none	Score	182
Exons	499..690, 513..680, 530..694, 535..693		

Seq. No.	34630	Seq. ID	OJ990408_07.9819.C5
Gene No.	71570	Strand	-
Start	953	End	1079
Name	OJ990408_07.9819.C5.o1.gs	Method	GENSCAN
Start	953	End	1079
GI	none	Score	.63
Exons	953..1079		

Seq. No.	34631	Seq. ID	OJ990408_07.9819.C6
Gene No.	71571	Strand	+
Start	42	End	4430
Name	OJ990408_07.9819.C6.o1.gs	Method	GENSCAN
Start	42	End	4073
GI	none	Score	.68
Exons	42..219, 1899..2054, 2084..2277, 3975..4073		

Seq. No.	34631	Seq. ID	OJ990408_07.9819.C6
Gene No.	71571	Strand	+
Start	42	End	4430
Name	OJ990408_07.9819.C6.o1.gp	Method	AAT/GAP
Start	2554	End	3843
GI	none	Score	850
Exons	2554..2702, 3374..3479, 3599..3843		

Seq. No.	34631	Seq. ID	OJ990408_07.9819.C6
Gene No.	71571	Strand	+

Start	42	End	4430
Name	OJ990408_07.9819.C6.o2.gp	Method	AAT/GAP
Start	3972	End	4430
GI	5002888	Score	597
Exons	3972..4430		

Seq. No.	34632	Seq. ID	OJ990408_07.9819.C9
Gene No.	71572	Strand	+
Start	1	End	1685
Name	OJ990408_07.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	1685
GI	6069646	Score	249
Exons	1..27, 853..1685		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	34632	Seq. ID	OJ990408_07.9819.C9
Gene No.	71573	Strand	-
Start	1208	End	7325
Name	OJ990408_07.9819.C9.o2.gs	Method	GENSCAN
Start	1208	End	7109
GI	none	Score	.61
Exons	1208..1273, 3128..3211, 3293..3373, 3974..4151, 4252..4395, 4509..4555, 4849..4905, 5459..5655, 5745..5823, 5881..5991, 6414..6512, 6990..7109		

Seq. No.	34632	Seq. ID	OJ990408_07.9819.C9
Gene No.	71573	Strand	-
Start	1208	End	7325
Name	OJ990408_07.9819.C9.o2.tm	Method	TBLASTX:Maize
Start	1210	End	5677
GI	none	Score	124
Exons	1210..1335, 1211..1354, 5402..5677, 5466..5675, 5474..5677		

Seq. No.	34632	Seq. ID	OJ990408_07.9819.C9
Gene No.	71573	Strand	-
Start	1208	End	7325
Name	OJ990408_07.9819.C9.o2.tw	Method	TBLASTX:Wheat
Start	1250	End	5608
GI	none	Score	69
Exons	1250..1384, 1508..1597, 5207..5377, 5459..5608		

Seq. No.	34632	Seq. ID	OJ990408_07.9819.C9
Gene No.	71573	Strand	-
Start	1208	End	7325
Name	OJ990408_07.9819.C9.o2.np	Method	AAT/NAP
Start	1589	End	7323
GI	6045135	Score	693
Exons	1589..1656, 3128..3211, 3293..3373, 3974..4151, 4252..4395, 4509..4555, 4849..4908, 6417..6512, 6990..7112, 7201..7323		
GI Descrip.	(AB033335) oxidosqualene cyclase [Luffa cylindrica]		

Seq. No.	34632	Seq. ID	OJ990408_07.9819.C9
Gene No.	71573	Strand	-

Start	1208	End	7325
Name	OJ990408_07.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	3123	End	7320
GI	none	Score	63
Exons	3123..3209, 3128..3214, 3293..3376, 3294..3344, 3971..4147, 3987..4148, 4248..4394, 4251..4367, 4484..4534, 4846..4923, 6420..6515, 6981..7115, 6991..7098, 7198..7320, 7199..7315		

Seq. No.	34632	Seq. ID	OJ990408_07.9819.C9
Gene No.	71573	Strand	-
Start	1208	End	7325
Name	OJ990408_07.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	3126	End	7325
GI	none	Score	120
Exons	3126..3209, 3128..3220, 3128..3214, 3252..3374, 3293..3376, 3293..3376, 3971..4150, 3996..4151, 3996..4157, 4249..4392, 4251..4394, 4508..4555, 4509..4553, 4846..4905, 4846..4914, 4850..4918, 6417..6482, 6417..6485, 6418..6483, 6419..6505, 6979..7110, 6981..7115, 7193..7321, 7198..7323, 7199..7321, 7200..7325		

Seq. No.	34632	Seq. ID	OJ990408_07.9819.C9
Gene No.	71573	Strand	-
Start	1208	End	7325
Name	OJ990408_07.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	3128	End	7314
GI	none	Score	135
Exons	3128..3214, 3290..3376, 3971..4147, 3972..4151, 3986..4153, 4248..4394, 4249..4389, 6420..6515, 6981..7115, 6991..7077, 7198..7314		

Seq. No.	34632	Seq. ID	OJ990408_07.9819.C9
Gene No.	71573	Strand	-
Start	1208	End	7325
Name	OJ990408_07.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	3128	End	4272
GI	none	Score	73
Exons	3128..3214, 3135..3209, 3282..3338, 3293..3382, 3974..4147, 3975..4151, 4248..4271, 4249..4272		

Seq. No.	34632	Seq. ID	OJ990408_07.9819.C9
Gene No.	71573	Strand	-
Start	1208	End	7325
Name	OJ990408_07.9819.C9.o1.gp	Method	AAT/GAP
Start	4864	End	7317
GI	uC-osflcyp065e03b1	Score	662
Exons	4864..4905, 6414..6512, 6990..7112, 7201..7317		
GI Descrip.	'541855/pir A49398 4.0e-50 cycloartenol synthase (EC 5.4.99.8) - Arabidopsis thaliana'		

Seq. No.	34633	Seq. ID	OJ990408_07.9819.C10
Gene No.	71574	Strand	+
Start	675	End	1101
Name	OJ990408_07.9819.C10.o1.gs	Method	GENSCAN
Start	675	End	1101
GI	none	Score	.57
Exons	675..755, 901..1101		

Seq. No.	34634	Seq. ID	OJ990408_07.9819.C11
Gene No.	71575	Strand	-
Start	1	End	1104
Name	OJ990408_07.9819.C11.ol.np	Method	AAT/NAP
Start	1	End	1104
GI	6630685	Score	792
Exons	1..1104		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	34634	Seq. ID	OJ990408_07.9819.C11
Gene No.	71575	Strand	-
Start	1	End	1104
Name	OJ990408_07.9819.C11.ol.tm	Method	TBLASTX:Maize
Start	175	End	610
GI	none	Score	173
Exons	175..597, 175..609, 374..610		

Seq. No.	34634	Seq. ID	OJ990408_07.9819.C11
Gene No.	71575	Strand	-
Start	1	End	1104
Name	OJ990408_07.9819.C11.ol.ts	Method	TBLASTX:Soybean
Start	410	End	829
GI	5509260	Score	194
Exons	410..667, 415..606, 438..608, 667..828, 713..829		
GI Descrip.	-		

Seq. No.	34634	Seq. ID	OJ990408_07.9819.C11
Gene No.	71575	Strand	-
Start	1	End	1104
Name	OJ990408_07.9819.C11.ol.tw	Method	TBLASTX:Wheat
Start	418	End	825
GI	none	Score	100
Exons	418..597, 424..600, 434..604, 667..825, 713..763		

Seq. No.	34634	Seq. ID	OJ990408_07.9819.C11
Gene No.	71575	Strand	-
Start	1	End	1104
Name	OJ990408_07.9819.C11.ol.tc	Method	TBLASTX:Cress
Start	529	End	789
GI	none	Score	178
Exons	529..789		

Seq. No.	34635	Seq. ID	OJ990408_07.9819.C13
Gene No.	71576	Strand	+
Start	1	End	457
Name	OJ990408_07.9819.C13.ol.np	Method	AAT/NAP
Start	1	End	457
GI	5922620	Score	168
Exons	1..65, 324..457		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34635	Seq. ID	OJ990408_07.9819.C13
Gene No.	71577	Strand	-
Start	226	End	382
Name	OJ990408_07.9819.C13.o1.gs	Method	GENSCAN
Start	226	End	382
GI	none	Score	.46
Exons	226..382		

Seq. No.	34635	Seq. ID	OJ990408_07.9819.C13
Gene No.	71578	Strand	-
Start	596	End	677
Name	OJ990408_07.9819.C13.o2.np	Method	AAT/NAP
Start	596	End	677
GI	6630699	Score	84
Exons	596..677		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	34636	Seq. ID	OJ990408_07.9819.C14
Gene No.	71579	Strand	+
Start	116	End	243
Name	OJ990408_07.9819.C14.o1.gs	Method	GENSCAN
Start	116	End	243
GI	none	Score	.52
Exons	116..243		

Seq. No.	34637	Seq. ID	OJ990408_07.9819.C17
Gene No.	71580	Strand	-
Start	155	End	3084
Name	OJ990408_07.9819.C17.o1.gs	Method	GENSCAN
Start	155	End	3032
GI	none	Score	.5
Exons	155..1251, 1741..1855, 2383..2489, 2547..3032		

Seq. No.	34637	Seq. ID	OJ990408_07.9819.C17
Gene No.	71580	Strand	-
Start	155	End	3084
Name	OJ990408_07.9819.C17.o1.np	Method	AAT/NAP
Start	158	End	3084
GI	5739323	Score	1817
Exons	158..1650, 1799..2715, 2758..2839, 2867..2964, 3022..3084		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		

Seq. No.	34637	Seq. ID	OJ990408_07.9819.C17
Gene No.	71580	Strand	-
Start	155	End	3084
Name	OJ990408_07.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	395	End	2829
GI	none	Score	68
Exons	395..463, 446..820, 494..772, 494..763, 497..745, 497..736, 497..751, 497..688, 500..751, 560..736, 620..748, 695..751, 813..872, 914..1414, 914..1195, 914..1195, 914..1195, 914..1195, 917..1195, 917..1195, 932..1195, 933..1175, 938..1195, 941..1195, 1148..1399, 1208..1414, 1217..1420, 1217..1408, 1217..1399, 1217..1405, 1217..1408, 1388..1531,		

1400..1534, 1418..1534, 1424..1546, 1424..1537, 1424..1534,
 1784..1984, 1784..1981, 1784..1972, 1784..1972, 1784..1981,
 1787..1975, 1793..1993, 1793..1972, 1793..1987, 1793..1981,
 1793..1972, 1799..1981, 2030..2230, 2404..2622, 2404..2619,
 2407..2622, 2518..2622, 2582..2740, 2623..2718, 2623..2706,
 2797..2829

Seq. No.	34637	Seq. ID	OJ990408_07.9819.C17
Gene No.	71580	Strand	-
Start	155	End	3084
Name	OJ990408_07.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	413	End	2964
GI	none	Score	77
Exons	413..457, 461..820, 494..760, 494..667, 494..751, 495..725, 497..751, 497..730, 497..745, 498..749, 498..653, 914..1195, 914..1024, 914..1165, 929..1195, 1208..1399, 1217..1408, 1217..1411, 1217..1408, 1421..1534, 1424..1537, 1424..1516, 1571..1777, 1784..1981, 1793..1954, 1799..1981, 1862..1993, 1997..2212, 2407..2619, 2407..2619, 2491..2622, 2623..2706, 2869..2964		

Seq. No.	34637	Seq. ID	OJ990408_07.9819.C17
Gene No.	71580	Strand	-
Start	155	End	3084
Name	OJ990408_07.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	416	End	2224
GI	none	Score	85
Exons	416..460, 473..751, 492..752, 497..616, 1004..1186, 1217..1408, 1424..1546, 1559..1774, 2024..2224		

Seq. No.	34637	Seq. ID	OJ990408_07.9819.C17
Gene No.	71580	Strand	-
Start	155	End	3084
Name	OJ990408_07.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	452	End	2718
GI	none	Score	236
Exons	452..757, 456..758, 569..760, 641..820, 903..1016, 914..1114, 914..976, 929..1180, 1217..1399, 1424..1534, 1802..1993, 2036..2212, 2389..2574, 2491..2619, 2623..2718		

Seq. No.	34638	Seq. ID	OJ990408_07.9819.C18
Gene No.	71581	Strand	+
Start	260	End	1505
Name	OJ990408_07.9819.C18.o1.np	Method	AAT/NAP
Start	260	End	1505
GI	6721543	Score	80
Exons	260..389, 1480..1505		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	34638	Seq. ID	OJ990408_07.9819.C18
Gene No.	71582	Strand	-
Start	619	End	2879
Name	OJ990408_07.9819.C18.o1.gp	Method	AAT/GAP
Start	619	End	2435
GI	LIB3431-045-P1-N1-A10	Score	818
Exons	619..728, 2091..2435		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic		

DNA, chromosome 2, clone:P0437H03 (contig b)'

Seq. No.	34638	Seq. ID	OJ990408_07.9819.C18
Gene No.	71582	Strand	-
Start	619	End	2879
Name	OJ990408_07.9819.C18.o2.gs	Method	GENSCAN
Start	2254	End	2773
GI	none	Score	..62
Exons	2254..2420, 2571..2773		
Seq. No.	34638	Seq. ID	OJ990408_07.9819.C18
Gene No.	71582	Strand	-
Start	619	End	2879
Name	OJ990408_07.9819.C18.o2.np	Method	AAT/NAP
Start	2539	End	2879
GI	5441880	Score	398
Exons	2539..2879		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	34639	Seq. ID	OJ990408_07.9819.C19
Gene No.	71583	Strand	+
Start	1	End	1766
Name	OJ990408_07.9819.C19.o1.np	Method	AAT/NAP
Start	1	End	1120
GI	3549626	Score	731
Exons	1..1120		
GI Descrip.	(AJ009696). wall-associated kinase 1 [Arabidopsis thaliana]		
Seq. No.	34639	Seq. ID	OJ990408_07.9819.C19
Gene No.	71583	Strand	+
Start	1	End	1766
Name	OJ990408_07.9819.C19.o1.gs	Method	GENSCAN
Start	113	End	1766
GI	none	Score	.63
Exons	113..416, 504..641, 777..917, 1367..1417, 1645..1766		
Seq. No.	34639	Seq. ID	OJ990408_07.9819.C19
Gene No.	71584	Strand	-
Start	1	End	10526
Name	OJ990408_07.9819.C19.o3.np	Method	AAT/NAP
Start	1	End	10526
GI	3063699	Score	111
Exons	1..194, 6230..6271, 6968..7155, 7223..7272, 9518..9729, 10481..10526		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		
Seq. No.	34639	Seq. ID	OJ990408_07.9819.C19
Gene No.	71584	Strand	-
Start	1	End	10526
Name	OJ990408_07.9819.C19.o1.tw	Method	TBLASTX:Wheat
Start	97	End	490
GI	none	Score	487
Exons	97..171, 98..427, 208..399, 435..488, 440..490		
Seq. No.	34639	Seq. ID	OJ990408_07.9819.C19

Gene No.	71584	Strand	-
Start	1	End	10526
Name	OJ990408_07.9819.C19.o1.ts	Method	TBLASTX:Soybean
Start	98	End	742
GI	none	Score	108
Exons	98..241, 98..214, 266..421, 271..417, 434..742, 439..597, 632..736		
Seq. No.	34639	Seq. ID	OJ990408_07.9819.C19
Gene No.	71584	Strand	-
Start	1	End	10526
Name	OJ990408_07.9819.C19.o1.tm	Method	TBLASTX:Maize
Start	112	End	967
GI	none	Score	52
Exons	112..219, 115..159, 116..421, 211..399, 306..422, 437..763, 454..609, 488..736, 848..967		
Seq. No.	34639	Seq. ID	OJ990408_07.9819.C19
Gene No.	71584	Strand	-
Start	1	End	10526
Name	OJ990408_07.9819.C19.o1.tc	Method	TBLASTX:Cress
Start	116	End	967
GI	none	Score	343
Exons	116..418, 271..399, 430..669, 431..763, 440..739, 853..960, 854..967		
Seq. No.	34639	Seq. ID	OJ990408_07.9819.C19
Gene No.	71584	Strand	-
Start	1	End	10526
Name	OJ990408_07.9819.C19.o2.tw	Method	TBLASTX:Wheat
Start	491	End	742
GI	none	Score	124
Exons	491..619, 511..606, 623..742		
Seq. No.	34639	Seq. ID	OJ990408_07.9819.C19
Gene No.	71584	Strand	-
Start	1	End	10526
Name	OJ990408_07.9819.C19.o2.gs	Method	GENSCAN
Start	3436	End	6285
GI	none	Score	1
Exons	3436..6285		
Seq. No.	34639	Seq. ID	OJ990408_07.9819.C19
Gene No.	71584	Strand	-
Start	1	End	10526
Name	OJ990408_07.9819.C19.o2.np	Method	AAT/NAP
Start	3493	End	6300
GI	5739323	Score	1625
Exons	3493..4622, 4686..6071, 6105..6300		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		
Seq. No.	34639	Seq. ID	OJ990408_07.9819.C19
Gene No.	71584	Strand	-
Start	1	End	10526
Name	OJ990408_07.9819.C19.o2.tm	Method	TBLASTX:Maize
Start	3689	End	5973

GI	none	Score	52
Exons	3689..3787, 3691..3774, 3780..4013, 3814..4056, 3815..4090, 3824..4132, 3901..4131, 3901..4092, 4204..4413, 5086..5205, 5356..5472, 5896..5973		

Seq. No.	34639	Seq. ID	OJ990408_07.9819.C19
Gene No.	71584	Strand	-
Start	1	End	10526
Name	OJ990408_07.9819.C19.o2.tc	Method	TBLASTX:Cress
Start	3793	End	5967
GI	none	Score	63
Exons	3793..4062, 3826..4077, 3829..4095, 3829..4083, 3830..4069, 3898..4077, 3901..4083, 3901..4110, 4036..4095, 4195..4428, 4201..4422, 4210..4428, 4213..4434, 4213..4380, 4222..4503, 4222..4422, 4231..4422, 4232..4465, 4252..4422, 4285..4440, 4304..4471, 4309..4425, 4513..4611, 4513..4563, 4522..4635, 4636..4761, 5071..5208, 5071..5205, 5074..5208, 5074..5205, 5074..5205, 5077..5208, 5077..5205, 5341..5478, 5353..5454, 5356..5457, 5758..5886, 5758..5889, 5893..5967, 5893..5967		

Seq. No.	34639	Seq. ID	OJ990408_07.9819.C19
Gene No.	71584	Strand	-
Start	1	End	10526
Name	OJ990408_07.9819.C19.o2.ts	Method	TBLASTX:Soybean
Start	3916	End	5479
GI	none	Score	66
Exons	3916..4083, 4192..4428, 4198..4410, 4204..4398, 4210..4287, 4211..4327, 5074..5211, 5074..5211, 5354..5479, 5356..5472, 5371..5478		

Seq. No.	34639	Seq. ID	OJ990408_07.9819.C19
Gene No.	71584	Strand	-
Start	1	End	10526
Name	OJ990408_07.9819.C19.o3.ts	Method	TBLASTX:Soybean
Start	4705	End	5025
GI	none	Score	194
Exons	4705..5025		

Seq. No.	34640	Seq. ID	OJ990408_07.9819.C20
Gene No.	71585	Strand	-
Start	716	End	1576
Name	OJ990408_07.9819.C20.o1.np	Method	AAT/NAP
Start	602	End	1576
GI	5739323	Score	897
Exons	602..1576		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		

Seq. No.	34640	Seq. ID	OJ990408_07.9819.C20
Gene No.	71585	Strand	-
Start	716	End	1576
Name	OJ990408_07.9819.C20.o1.gs	Method	GENSCAN
Start	716	End	1453
GI	none	Score	.47
Exons	716..1453		

Seq. No.	34640	Seq. ID	OJ990408_07.9819.C20
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Gene No.	71585	Strand	-
Start	716	End	1576
Name	OJ990408_07.9819.C20.ol.tm	Method	TBLASTX:Maize
Start	820	End	1555
GI	none	Score	40
Exons	820..876, 844..873, 896..1201, 900..1205, 905..1207, 1085..1204, 1361..1555, 1430..1555		

Seq. No.	34640	Seq. ID	OJ990408_07.9819.C20
Gene No.	71585	Strand	-
Start	716	End	1576
Name	OJ990408_07.9819.C20.ol.tw	Method	TBLASTX:Wheat
Start	860	End	1552
GI	none	Score	56
Exons	860..904, 917..1204, 1328..1552, 1433..1552		

Seq. No.	34640	Seq. ID	OJ990408_07.9819.C20
Gene No.	71585	Strand	-
Start	716	End	1576
Name	OJ990408_07.9819.C20.ol.tc	Method	TBLASTX:Cress
Start	905	End	1555
GI	none	Score	69
Exons	905..1174, 935..1195, 938..1216, 938..1195, 942..1097, 942..1097, 942..1097, 956..1141, 1013..1195, 1076..1195, 1085..1123, 1328..1552, 1331..1555, 1331..1552, 1358..1534		

Seq. No.	34640	Seq. ID	OJ990408_07.9819.C20
Gene No.	71585	Strand	-
Start	716	End	1576
Name	OJ990408_07.9819.C20.ol.ts	Method	TBLASTX:Soybean
Start	905	End	1570
GI	none	Score	83
Exons	905..1135, 1013..1195, 1013..1189, 1085..1210, 1316..1537, 1352..1471, 1412..1570, 1430..1543		

Seq. No.	34641	Seq. ID	OJ990408_07.9819.C21
Gene No.	71586	Strand	-
Start	1	End	2898
Name	OJ990408_07.9819.C21.ol.np	Method	AAT/NAP
Start	1	End	2898
GI	5739323	Score	1550
Exons	1..1101, 1378..1911, 1993..2606, 2640..2898		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		

Seq. No.	34641	Seq. ID	OJ990408_07.9819.C21
Gene No.	71586	Strand	-
Start	1	End	2898
Name	OJ990408_07.9819.C21.ol.gs	Method	GENSCAN
Start	63	End	2898
GI	none	Score	.42
Exons	63..2898		

Seq. No.	34641	Seq. ID	OJ990408_07.9819.C21
Gene No.	71587	Strand	-
Start	4013	End	4183
Name	OJ990408_07.9819.C21.ol.tm	Method	TBLASTX:Maize

Start	79	End	2523
GI	none	Score	69
Exons	79..135, 250..435, 253..441, 253..417, 298..429, 325..447, 556..696, 559..804, 577..804, 586..804, 697..804, 877..999, 877..996, 877..987, 877..996, 1441..1542, 1573..1764, 1576..1674, 1603..1779, 1603..1713, 1987..2076, 2383..2466, 2386..2523		

Seq. No.	34641	Seq. ID	OJ990408_07.9819.C21
Gene No.	71587	Strand	-
Start	4013	End	4183
Name	OJ990408_07.9819.C21.o1.tw	Method	TBLASTX:Wheat
Start	100	End	2505
GI	none	Score	113
Exons	100..144, 157..483, 176..484, 658..849, 874..996, 970..1065, 1042..1128, 2380..2505, 2383..2505		

Seq. No.	34641	Seq. ID	OJ990408_07.9819.C21
Gene No.	71587	Strand	-
Start	4013	End	4183
Name	OJ990408_07.9819.C21.o1.tc	Method	TBLASTX:Cress
Start	166	End	2517
GI	none	Score	56
Exons	166..414, 170..265, 178..429, 250..438, 253..447, 253..444, 253..435, 253..438, 253..444, 256..435, 274..435, 326..415, 556..861, 568..804, 568..735, 568..777, 571..804, 572..751, 574..804, 577..861, 583..804, 587..817, 587..760, 587..778, 670..924, 874..1107, 877..996, 877..1008, 877..1020, 877..1065, 1003..1065, 1009..1071, 1078..1128, 1447..1521, 1447..1542, 1447..1521, 1525..1590, 1534..1779, 1579..1788, 1579..1779, 1603..1776, 1603..1773, 1603..1773, 1645..1773, 1984..2172, 2293..2505, 2380..2511, 2383..2517, 2383..2514, 2383..2511		

Seq. No.	34641	Seq. ID	OJ990408_07.9819.C21
Gene No.	71587	Strand	-
Start	4013	End	4183
Name	OJ990408_07.9819.C21.o1.ts	Method	TBLASTX:Soybean
Start	274	End	1500
GI	none	Score	216
Exons	274..363, 1138..1500		

Seq. No.	34641	Seq. ID	OJ990408_07.9819.C21
Gene No.	71587	Strand	-
Start	4013	End	4183
Name	OJ990408_07.9819.C21.o2.ts	Method	TBLASTX:Soybean
Start	388	End	2520
GI	none	Score	86
Exons	388..456, 559..768, 568..804, 568..684, 571..804, 577..780, 583..804, 586..804, 587..763, 874..996, 877..987, 877..996, 1006..1068, 1018..1065, 1537..1590, 1579..1776, 1579..1776, 1597..1788, 1597..1767, 1597..1776, 1597..1776, 1597..1752, 1597..1743, 1606..1731, 1637..1777, 1654..1773, 2380..2511, 2380..2511, 2383..2520, 2383..2511		

Seq. No.	34641	Seq. ID	OJ990408_07.9819.C21
Gene No.	71587	Strand	-
Start	4013	End	4183

Name	OJ990408_07.9819.C21.o2.gs	Method	GENSCAN
Start	4013	End	4183
GI	none	Score	.52
Exons	4013..4183		
Seq. No.	34642	Seq. ID	OJ990408_07.9819.C22
Gene No.	71588	Strand	+
Start	704	End	1404
Name	OJ990408_07.9819.C22.o1.gs	Method	GENSCAN
Start	704	End	1404
GI	none	Score	.49
Exons	704..806, 891..1055, 1180..1284, 1316..1404		
Seq. No.	34643	Seq. ID	OJ990408_07.9819.C23
Gene No.	71589	Strand	+
Start	2023	End	6107
Name	OJ990408_07.9819.C23.o2.gs	Method	GENSCAN
Start	2023	End	6107
GI	none	Score	.87
Exons	2023..2074, 5123..5222, 5783..6107		
Seq. No.	34643	Seq. ID	OJ990408_07.9819.C23
Gene No.	71590	Strand	-
Start	160	End	852
Name	OJ990408_07.9819.C23.o1.gs	Method	GENSCAN
Start	160	End	852
GI	none	Score	.62
Exons	160..260, 347..454, 741..852		
Seq. No.	34643	Seq. ID	OJ990408_07.9819.C23
Gene No.	71591	Strand	
Start	5892	End	6489
Name	OJ990408_07.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	5892	End	6489
GI	none	Score	65
Exons	5892..5987, 6031..6150, 6031..6123, 6144..6260, 6337..6489		
Seq. No.	34644	Seq. ID	OJ990408_07.9819.C24
Gene No.	71592	Strand	-
Start	300	End	1294
Name	OJ990408_07.9819.C24.o1.gs	Method	GENSCAN
Start	300	End	1178
GI	none	Score	.77
Exons	300..946, 1097..1178		
Seq. No.	34644	Seq. ID	OJ990408_07.9819.C24
Gene No.	71592	Strand	-
Start	300	End	1294
Name	OJ990408_07.9819.C24.o1.np	Method	AAT/NAP
Start	303	End	1294
GI	5739323	Score	683
Exons	303..1294		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		
Seq. No.	34644	Seq. ID	OJ990408_07.9819.C24
Gene No.	71592	Strand	-

Start	300	End	1294
Name	OJ990408_07.9819.C24.o1.ts	Method	TBLASTX:Soybean
Start	573	End	923
GI	none	Score	83
Exons	573..620, 645..923, 646..846, 663..863, 663..731, 747..899		

Seq. No.	34644	Seq. ID	OJ990408_07.9819.C24
Gene No.	71592	Strand	-
Start	300	End	1294
Name	OJ990408_07.9819.C24.o1.tm	Method	TBLASTX:Maize
Start	575	End	1169
GI	none	Score	37
Exons	575..601, 625..924, 627..923, 630..950, 810..941, 879..941, 1053..1169		

Seq. No.	34644	Seq. ID	OJ990408_07.9819.C24
Gene No.	71592	Strand	-
Start	300	End	1294
Name	OJ990408_07.9819.C24.o1.tw	Method	TBLASTX:Wheat
Start	585	End	1169
GI	none	Score	70
Exons	585..629, 642..929, 1059..1163, 1086..1169		

Seq. No.	34644	Seq. ID	OJ990408_07.9819.C24
Gene No.	71592	Strand	-
Start	300	End	1294
Name	OJ990408_07.9819.C24.o1.tc	Method	TBLASTX:Cress
Start	588	End	1178
GI	none	Score	57
Exons	588..641, 603..785, 630..902, 640..771, 663..905, 663..815, 663..878, 666..746, 666..932, 666..929, 666..920, 666..929, 666..941, 667..759, 669..941, 687..869, 714..785, 720..929, 732..944, 792..932, 861..920, 975..1163, 1029..1169, 1053..1178, 1071..1133		

Seq. No.	34645	Seq. ID	OJ990408_07.9819.C26
Gene No.	71593	Strand	-
Start	109	End	183
Name	OJ990408_07.9819.C26.o1.gs	Method	GENSCAN
Start	109	End	183
GI	none	Score	.98
Exons	109..183		

Seq. No.	34645	Seq. ID	OJ990408_07.9819.C26
Gene No.	71594	Strand	-
Start	363	End	745
Name	OJ990408_07.9819.C26.o2.gs	Method	GENSCAN
Start	363	End	745
GI	none	Score	.74
Exons	363..516, 678..745		

Seq. No.	34646	Seq. ID	OJ990408_07.9819.C27
Gene No.	71595	Strand	-
Start	385	End	1032
Name	OJ990408_07.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	239	End	1032
GI	none	Score	75

Exons 239..307, 250..273, 316..462, 335..463, 355..465, 446..517, 450..518, 452..553, 454..534, 494..607, 529..606, 537..623, 949..1032

Seq. No.	34646	Seq. ID	OJ990408_07.9819.C27
Gene No.	71595	Strand	-
Start	385	End	1032
Name	OJ990408_07.9819.C27.o1.gs	Method	GENSCAN
Start	385	End	751
GI	none	Score	.51
Exons	385..411, 566..751		

Seq. No.	34647	Seq. ID	OJ990408_07.9819.C28
Gene No.	71596	Strand	+
Start	1	End	4479
Name	OJ990408_07.9819.C28.o1.np	Method	AAT/NAP
Start	1	End	3842
GI	4680203	Score	3050
Exons	1..56, 539..2203, 2357..2587, 2863..3842		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	34647	Seq. ID	OJ990408_07.9819.C28
Gene No.	71596	Strand	+
Start	1	End	4479
Name	OJ990408_07.9819.C28.o1.gp	Method	AAT/GAP
Start	536	End	4479
GI	342_1.R1084	Score	6026
Exons	536..4479		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	34647	Seq. ID	OJ990408_07.9819.C28
Gene No.	71596	Strand	+
Start	1	End	4479
Name	OJ990408_07.9819.C28.o1.gs	Method	GENSCAN
Start	768	End	3863
GI	none	Score	.78
Exons	768..1224, 1267..2136, 2268..2658, 2769..2949, 3045..3289, 3467..3863		

Seq. No.	34647	Seq. ID	OJ990408_07.9819.C28
Gene No.	71596	Strand	+
Start	1	End	4479
Name	OJ990408_07.9819.C28.o4.tw	Method	TBLASTX:Wheat
Start	837	End	1258
GI	none	Score	80
Exons	837..989, 972..1223, 973..1140, 980..1222, 983..1225, 991..1233, 1220..1258		

Seq. No.	34647	Seq. ID	OJ990408_07.9819.C28
Gene No.	71596	Strand	+
Start	1	End	4479
Name	OJ990408_07.9819.C28.o1.ts	Method	TBLASTX:Soybean
Start	1154	End	1583
GI	none	Score	99
Exons	1154..1237, 1155..1229, 1314..1583, 1319..1570		

Seq. No.	34647	Seq. ID	OJ990408_07.9819.C28
Gene No.	71596	Strand	+
Start	1	End	4479
Name	OJ990408_07.9819.C28.o1.tc	Method	TBLASTX:Cress
Start	1316	End	1664
GI	none	Score	303
Exons	1316..1468, 1323..1664, 1532..1645		

Seq. No.	34647	Seq. ID	OJ990408_07.9819.C28
Gene No.	71596	Strand	+
Start	1	End	4479
Name	OJ990408_07.9819.C28.o2.tw	Method	TBLASTX:Wheat
Start	1452	End	1921
GI	none	Score	73
Exons	1452..1508, 1460..1504, 1505..1606, 1506..1610, 1614..1712, 1617..1712, 1619..1714, 1622..1714, 1685..1921, 1692..1916, 1712..1921		

Seq. No.	34647	Seq. ID	OJ990408_07.9819.C28
Gene No.	71596	Strand	+
Start	1	End	4479
Name	OJ990408_07.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	1497	End	1955
GI	none	Score	217
Exons	1497..1751, 1509..1751, 1761..1955		

Seq. No.	34647	Seq. ID	OJ990408_07.9819.C28
Gene No.	71596	Strand	+
Start	1	End	4479
Name	OJ990408_07.9819.C28.o2.ts	Method	TBLASTX:Soybean
Start	1785	End	2027
GI	none	Score	210
Exons	1785..2027		

Seq. No.	34647	Seq. ID	OJ990408_07.9819.C28
Gene No.	71596	Strand	+
Start	1	End	4479
Name	OJ990408_07.9819.C28.o3.tw	Method	TBLASTX:Wheat
Start	2061	End	2464
GI	none	Score	84
Exons	2061..2123, 2063..2110, 2109..2171, 2153..2350, 2155..2310, 2165..2350, 2384..2464		

Seq. No.	34647	Seq. ID	OJ990408_07.9819.C28
Gene No.	71596	Strand	+
Start	1	End	4479
Name	OJ990408_07.9819.C28.o2.tm	Method	TBLASTX:Maize
Start	2384	End	2859
GI	none	Score	213
Exons	2384..2770, 2782..2859		

Seq. No.	34647	Seq. ID	OJ990408_07.9819.C28
Gene No.	71596	Strand	+
Start	1	End	4479
Name	OJ990408_07.9819.C28.o1.tw	Method	TBLASTX:Wheat
Start	2465	End	3782
GI	none	Score	56

Exons 2465..2650, 2469..2570, 2470..2784, 2471..2785, 2472..2813,
2781..3014, 2782..2895, 2790..2906, 2950..3024, 3057..3389,
3057..3356, 3137..3373, 3384..3428, 3387..3428, 3431..3526,
3435..3494, 3473..3613, 3474..3602, 3504..3620, 3542..3622,
3626..3679, 3627..3707, 3696..3782

Seq. No.	34647	Seq. ID	OJ990408_07.9819.C28
Gene No.	71596	Strand	+
Start	1	End	4479
Name	OJ990408_07.9819.C28.o2.tc	Method	TBLASTX:Cress
Start	2781	End	3207
GI	none	Score	168
Exons	2781..3014, 2782..2895, 2795..2899, 2950..3024, 3057..3206, 3057..3206, 3058..3207		

Seq. No.	34648	Seq. ID	OJ990408_07.9819.C29
Gene No.	71597	Strand	+
Start	463	End	5448
Name	OJ990408_07.9819.C29.o1.gs	Method	GENSCAN
Start	463	End	4586
GI	none	Score	.66
Exons	463..532, 1020..1289, 1324..1739, 1849..2251, 2440..2602, 2741..2798, 2826..3479, 3568..3741, 3831..3941, 4042..4066, 4209..4307, 4407..4586		

Seq. No.	34648	Seq. ID	OJ990408_07.9819.C29
Gene No.	71597	Strand	+
Start	463	End	5448
Name	OJ990408_07.9819.C29.o1.np	Method	AAT/NAP
Start	1005	End	5448
GI	4680204	Score	774
Exons	1005..2369, 2461..3479, 3568..3741, 3831..3966, 4369..4538, 5416..5448		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	34648	Seq. ID	OJ990408_07.9819.C29
Gene No.	71597	Strand	+
Start	463	End	5448
Name	OJ990408_07.9819.C29.o1.tw	Method	TBLASTX:Wheat
Start	1636	End	1981
GI	none	Score	91
Exons	1636..1752, 1757..1816, 1811..1981, 1906..1980		

Seq. No.	34649	Seq. ID	OJ990408_07.9819.C30
Gene No.	71598	Strand	-
Start	120	End	554
Name	OJ990408_07.9819.C30.o1.gs	Method	GENSCAN
Start	120	End	554
GI	none	Score	.76
Exons	120..291, 413..554		

Seq. No.	34650	Seq. ID	OJ990408_07.9819.C32
Gene No.	71599	Strand	+
Start	580	End	658
Name	OJ990408_07.9819.C32.o1.np	Method	AAT/NAP
Start	580	End	658
GI	6630699	Score	78

Exons 580..658
 GI Descrip. (AP000969) hypothetical protein [Oryza sativa]
 gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein
 [Oryza sativa]

Seq. No.	34650	Seq. ID	OJ990408_07.9819.C32
Gene No.	71600	Strand	-
Start	547	End	928
Name	OJ990408_07.9819.C32.o1.gs	Method	GENSCAN
Start	547	End	765
GI	none	Score	.77
Exons	547..635, 726..765		

Seq. No.	34650	Seq. ID	OJ990408_07.9819.C32
Gene No.	71600	Strand	-
Start	547	End	928
Name	OJ990408_07.9819.C32.o1.gp	Method	AAT/GAP
Start	575	End	928
GI	LIB3479-006-Q6-K1-B11	Score	540
Exons	575..928		
GI Descrip.	'5734616/dbj AP000391.1 AP000391.1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	34650	Seq. ID	OJ990408_07.9819.C32
Gene No.	71600	Strand	-
Start	547	End	928
Name	OJ990408_07.9819.C32.o2.np	Method	AAT/NAP
Start	798	End	928
GI	5922620	Score	156
Exons	798..928		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34651	Seq. ID	OJ990408_07.9819.C33
Gene No.	71601	Strand	-
Start	1	End	1078
Name	OJ990408_07.9819.C33.o1.np	Method	AAT/NAP
Start	1	End	1078
GI	6630696	Score	1665
Exons	1..1078		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	34651	Seq. ID	OJ990408_07.9819.C33
Gene No.	71601	Strand	-
Start	1	End	1078
Name	OJ990408_07.9819.C33.o2.ts	Method	TBLASTX:Soybean
Start	34	End	283
GI	none	Score	89
Exons	34..120, 119..283, 124..282		

Seq. No.	34651	Seq. ID	OJ990408_07.9819.C33
Gene No.	71601	Strand	-

Start	1	End	1078
Name	OJ990408_07.9819.C33.o1.tw	Method	TBLASTX:Wheat
Start	40	End	681
GI	none	Score	63
Exons	40..120, 136..342, 337..681, 500..664		

Seq. No.	34651	Seq. ID	OJ990408_07.9819.C33
Gene No.	71601	Strand	-
Start	1	End	1078
Name	OJ990408_07.9819.C33.o1.gs	Method	GENSCAN
Start	126	End	1012
GI	none	Score	.87
Exons	126..341, 444..866, 928..1012		

Seq. No.	34651	Seq. ID	OJ990408_07.9819.C33
Gene No.	71601	Strand	-
Start	1	End	1078
Name	OJ990408_07.9819.C33.o1.tm	Method	TBLASTX:Maize
Start	235	End	682
GI	none	Score	59
Exons	235..681, 332..430, 397..546, 551..682		

Seq. No.	34651	Seq. ID	OJ990408_07.9819.C33
Gene No.	71601	Strand	-
Start	1	End	1078
Name	OJ990408_07.9819.C33.o1.ts	Method	TBLASTX:Soybean
Start	352	End	816
GI	5509260	Score	106
Exons	352..816, 590..724		
GI Descrip.	-		

Seq. No.	34651	Seq. ID	OJ990408_07.9819.C33
Gene No.	71601	Strand	-
Start	1	End	1078
Name	OJ990408_07.9819.C33.o1.tc	Method	TBLASTX:Cress
Start	463	End	724
GI	none	Score	109
Exons	463..723, 551..724		

Seq. No.	34651	Seq. ID	OJ990408_07.9819.C33
Gene No.	71601	Strand	-
Start	1	End	1078
Name	OJ990408_07.9819.C33.o2.tw	Method	TBLASTX:Wheat
Start	736	End	1072
GI	none	Score	129
Exons	736..867, 740..868, 852..926, 869..928, 869..1072, 871..990		

Seq. No.	34652	Seq. ID	OJ990408_07.9819.C34
Gene No.	71602	Strand	+
Start	83	End	368
Name	OJ990408_07.9819.C34.o1.gp	Method	AAT/GAP
Start	83	End	368
GI	101595.1.R1084	Score	511
Exons	83..368		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	34652	Seq. ID	OJ990408_07.9819.C34
Gene No.	71603	Strand	-
Start	1	End	904
Name	OJ990408_07.9819.C34.o1.np	Method	AAT/NAP
Start	1	End	410
GI	6630696	Score	553
Exons	1..410		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related polypeptide from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	34652	Seq. ID	OJ990408_07.9819.C34
Gene No.	71603	Strand	-
Start	1	End	904
Name	OJ990408_07.9819.C34.o1.gs	Method	GENSCAN
Start	86	End	904
GI	none	Score	.54
Exons	86..512, 681..717, 765..904		

Seq. No.	34652	Seq. ID	OJ990408_07.9819.C34
Gene No.	71603	Strand	-
Start	1	End	904
Name	OJ990408_07.9819.C34.o1.tm	Method	TBLASTX:Maize
Start	92	End	368
GI	none	Score	159
Exons	92..361, 93..368, 130..321		

Seq. No.	34652	Seq. ID	OJ990408_07.9819.C34
Gene No.	71603	Strand	-
Start	1	End	904
Name	OJ990408_07.9819.C34.o1.tw	Method	TBLASTX:Wheat
Start	119	End	501
GI	none	Score	164
Exons	119..301, 119..301, 120..404, 130..330, 378..500, 381..500, 418..501		

Seq. No.	34652	Seq. ID	OJ990408_07.9819.C34
Gene No.	71604	Strand	.
Start	1567	End	1826
Name	OJ990408_07.9819.C34.o2.tw	Method	TBLASTX:Wheat
Start	1567	End	1826
GI	none	Score	93
Exons	1567..1680, 1577..1669, 1579..1728, 1601..1711, 1683..1745, 1685..1744, 1687..1749, 1704..1817, 1757..1825, 1758..1826		

Seq. No.	34653	Seq. ID	OJ990408_07.9819.C35
Gene No.	71605	Strand	+
Start	5512	End	6946
Name	OJ990408_07.9819.C35.o2.np	Method	AAT/NAP
Start	5512	End	6946
GI	6069659	Score	124
Exons	5512..5624, 6202..6466, 6528..6621, 6739..6946		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	34653	Seq. ID	OJ990408_07.9819.C35
Gene No.	71606	Strand	-
Start	439	End	5192

Name	OJ990408_07.9819.C35.o1.gs	Method	GENSCAN
Start	439	End	3986
GI	none	Score	.62
Exons	439..700, 1327..1646, 2106..2216, 2400..2493, 2690..2835, 3298..3531, 3893..3986		

Seq. No.	34653	Seq. ID	OJ990408_07.9819.C35
Gene No.	71606	Strand	-
Start	439	End	5192
Name	OJ990408_07.9819.C35.o1.np	Method	AAT/NAP
Start	3130	End	5192
GI	5739323	Score	764
Exons	3130..4256, 4777..5192		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		

Seq. No.	34654	Seq. ID	OJ990408_07.9819.C36
Gene No.	71607	Strand	+
Start	1	End	304
Name	OJ990408_07.9819.C36.o1.gp	Method	AAT/GAP
Start	1	End	304
GI	22342.1.R1084	Score	520
Exons	1..304		
GI Descrip.	'5714737/gb AAD48057.1 AF171060_1 1.0e-14 (AF171060) RING finger protein AO7 [Mus musculus]'		

Seq. No.	34654	Seq. ID	OJ990408_07.9819.C36
Gene No.	71608	Strand	-
Start	513	End	574
Name	OJ990408_07.9819.C36.o1.gs	Method	GENSCAN
Start	513	End	574
GI	none	Score	.98
Exons	513..574		

Seq. No.	34655	Seq. ID	OJ990408_07.9819.C37
Gene No.	71609	Strand	-
Start	1	End	674
Name	OJ990408_07.9819.C37.o1.np	Method	AAT/NAP
Start	1	End	653
GI	541855	Score	112
Exons	1..66, 540..653		
GI Descrip.	cycloartenol synthase (EC 5.4.99.8) - Arabidopsis thaliana		

Seq. No.	34655	Seq. ID	OJ990408_07.9819.C37
Gene No.	71609	Strand	-
Start	1	End	674
Name	OJ990408_07.9819.C37.o1.gp	Method	AAT/GAP
Start	540	End	674
GI	uC-osflcyp065e03b1	Score	204
Exons	540..674		
GI Descrip.	'541855/pir A49398 4.0e-50 cycloartenol synthase (EC 5.4.99.8) - Arabidopsis thaliana'		

Seq. No.	34656	Seq. ID	OJ990408_07.9819.C38
Gene No.	71610	Strand	+
Start	35	End	547
Name	OJ990408_07.9819.C38.o1.gs	Method	GENSCAN

Start 35
GI none
Exons 35..164, 232..273, 279..547

End 547
Score .67

Seq. No. 34656
Gene No. 71611
Start 6683
Name OJ990408_07.9819.C38.o3.gs
Start 6683
GI none
Exons 6683..6929, 7900..8036, 8374..8502

Seq. ID OJ990408_07.9819.C38
Strand +
End 8502
Method GENSCAN
End 8502
Score .73

Seq. No. 34656
Gene No. 71611
Start 6683
Name OJ990408_07.9819.C38.o2.gp
Start 7781
GI 576771
Exons 7781..8036, 8063..8275
GI Descrip. 576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1
sucrose-regulated mRNA, 3'-end sequence

Seq. ID OJ990408_07.9819.C38
Strand +
End 8502
Method AAT/GAP
End 8275
Score 757

Seq. No. 34656
Gene No. 71612
Start 1376
Name OJ990408_07.9819.C38.o1.np
Start 881
GI 4589852
Exons 881..1073, 2417..2583, 3177..3261, 3950..4138, 4712..4801,
4893..5021, 5422..5676
GI Descrip. (AB025968) cycloartenol synthase [Glycyrrhiza glabra]

Seq. ID OJ990408_07.9819.C38
Strand -
End 5676
Method AAT/NAP
End 5676
Score 931

Seq. No. 34656
Gene No. 71612
Start 1376
Name OJ990408_07.9819.C38.o1.gp
Start 1192
GI uC-osflcyp175e08b1
Exons 1192..1714
GI Descrip. '576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1
sucrose-regulated mRNA, 3'-end sequence'

Seq. ID OJ990408_07.9819.C38
Strand -
End 5676
Method AAT/GAP
End 1714
Score 990

Seq. No. 34656
Gene No. 71612
Start 1376
Name OJ990408_07.9819.C38.o2.gs
Start 1376
GI none
Exons 1376..1685, 2417..2583, 3950..4138, 4712..4801, 4893..5093,
5479..5676

Seq. ID OJ990408_07.9819.C38
Strand -
End 5676
Method GENSCAN
End 5676
Score .57

Seq. No. 34656
Gene No. 71613
Start 8948
Name OJ990408_07.9819.C38.o1.tc
Start 882
GI none

Seq. ID OJ990408_07.9819.C38
Strand -
End 11434
Method TBLASTX:Cress
End 5679
Score 72

Exons 882..1049, 882..1076, 2417..2575, 2417..2584, 2463..2585,
2491..2592, 3173..3256, 3175..3261, 3947..4051, 3948..4025,
4034..4141, 4038..4139, 4712..4801, 4899..5036, 4900..5037,
5479..5676, 5479..5679

Seq. No.	34656	Seq. ID	OJ990408_07.9819.C38
Gene No.	71613	Strand	-
Start	8948	End	11434
Name	OJ990408_07.9819.C38.o3.tm	Method	TBLASTX:Maize
Start	882	End	3261
GI	none	Score	105
Exons	882..1076, 882..1076, 2415..2564, 2417..2584, 3173..3256, 3175..3261		

Seq. No.	34656	Seq. ID	OJ990408_07.9819.C38
Gene No.	71613	Strand	-
Start	8948	End	11434
Name	OJ990408_07.9819.C38.o1.ts	Method	TBLASTX:Soybean
Start	882	End	4141
GI	none	Score	97
Exons	882..1076, 2417..2584, 2424..2564, 3173..3256, 3175..3261, 3175..3261, 3947..4051, 3948..4013, 4008..4139, 4028..4141		

Seq. No.	34656	Seq. ID	OJ990408_07.9819.C38
Gene No.	71613	Strand	-
Start	8948	End	11434
Name	OJ990408_07.9819.C38.o1.tm	Method	TBLASTX:Maize
Start	4040	End	5075
GI	none	Score	122
Exons	4040..4141, 4041..4139, 4712..4801, 4716..4802, 4716..4802, 4717..4803, 4879..5034, 4888..5040, 4890..5075, 4899..5072		

Seq. No.	34656	Seq. ID	OJ990408_07.9819.C38
Gene No.	71613	Strand	-
Start	8948	End	11434
Name	OJ990408_07.9819.C38.o2.ts	Method	TBLASTX:Soybean
Start	4727	End	5682
GI	none	Score	46
Exons	4727..4801, 4728..4784, 4890..4958, 4899..5021, 5079..5108, 5080..5106, 5479..5682, 5479..5682		

Seq. No.	34656	Seq. ID	OJ990408_07.9819.C38
Gene No.	71613	Strand	-
Start	8948	End	11434
Name	OJ990408_07.9819.C38.o2.tm	Method	TBLASTX:Maize
Start	5479	End	5680
GI	none	Score	211
Exons	5479..5676, 5479..5676, 5481..5678, 5573..5680		

Seq. No.	34656	Seq. ID	OJ990408_07.9819.C38
Gene No.	71613	Strand	-
Start	8948	End	11434
Name	OJ990408_07.9819.C38.o4.gs	Method	GENSCAN
Start	8948	End	11434
GI	none	Score	.43
Exons	8948..9077, 9208..9322, 9361..9497, 9845..10218, 10794..11050, 11125..11434		

Seq. No.	34657	Seq. ID	OJ990408_07.9819.C39
Gene No.	71614	Strand	+
Start	2363	End	2609
Name	OJ990408_07.9819.C39.ol.np	Method	AAT/NAP
Start	2363	End	2609
GI	4680183	Score	147
Exons	2363..2609		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	34657	Seq. ID	OJ990408_07.9819.C39
Gene No.	71615	Strand	-
Start	97	End	2458
Name	OJ990408_07.9819.C39.ol.gs	Method	GENSCAN
Start	97	End	2458
GI	none	Score	.47
Exons	97..266, 1638..1751, 2226..2458		

Seq. No.	34658	Seq. ID	OJ990408_07.9819.C40
Gene No.	71616	Strand	+
Start	1	End	1240
Name	OJ990408_07.9819.C40.ol.np	Method	AAT/NAP
Start	1	End	1240
GI	5902444	Score	1546
Exons	1..1240		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	34658	Seq. ID	OJ990408_07.9819.C40
Gene No.	71616	Strand	+
Start	1	End	1240
Name	OJ990408_07.9819.C40.ol.gs	Method	GENSCAN
Start	48	End	1209
GI	none	Score	.89
Exons	48..157, 349..554, 705..886, 940..1209		

Seq. No.	34658	Seq. ID	OJ990408_07.9819.C40
Gene No.	71616	Strand	+
Start	1	End	1240
Name	OJ990408_07.9819.C40.ol.tw	Method	TBLASTX:Wheat
Start	740	End	1113
GI	none	Score	131
Exons	740..946, 769..951, 934..1113		

Seq. No.	34659	Seq. ID	OJ990408_07.9819.C41
Gene No.	71617	Strand	+
Start	1	End	558
Name	OJ990408_07.9819.C41.ol.np	Method	AAT/NAP
Start	1	End	558
GI	6630696	Score	727
Exons	1..558		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	34659	Seq. ID	OJ990408_07.9819.C41
Gene No.	71617	Strand	+
Start	1	End	558

Name	OJ990408_07.9819.C41.o1.tw	Method	TBLASTX:Wheat
Start	83	End	422
GI	none	Score	232
Exons	83..388, 84..212, 85..420, 88..384, 291..422		

Seq. No.	34660	Seq. ID	OJ990408_07.9819.C42
Gene No.	71618	Strand	+
Start	1	End	1295
Name	OJ990408_07.9819.C42.o1.np	Method	AAT/NAP
Start	1	End	1295
GI	5739323	Score	474
Exons	1..796, 859..1295		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		

Seq. No.	34660	Seq. ID	OJ990408_07.9819.C42
Gene No.	71618	Strand	+
Start	1	End	1295
Name	OJ990408_07.9819.C42.o1.gs	Method	GENSCAN
Start	307	End	1140
GI	none	Score	.44
Exons	307..592, 972..1140		

Seq. No.	34660	Seq. ID	OJ990408_07.9819.C42
Gene No.	71618	Strand	+
Start	1	End	1295
Name	OJ990408_07.9819.C42.o1.ts	Method	TBLASTX:Soybean
Start	454	End	738
GI	none	Score	200
Exons	454..585, 472..738, 495..662, 504..608, 525..653, 526..732, 568..663, 601..738		

Seq. No.	34660	Seq. ID	OJ990408_07.9819.C42
Gene No.	71618	Strand	+
Start	1	End	1295
Name	OJ990408_07.9819.C42.o1.tm	Method	TBLASTX:Maize
Start	463	End	738
GI	none	Score	90
Exons	463..591, 469..591, 472..726, 504..608, 505..732, 541..738		

Seq. No.	34660	Seq. ID	OJ990408_07.9819.C42
Gene No.	71618	Strand	+
Start	1	End	1295
Name	OJ990408_07.9819.C42.o1.tc	Method	TBLASTX:Cress
Start	466	End	1091
GI	none	Score	103
Exons	466..666, 468..665, 469..732, 472..726, 481..741, 487..738, 550..759, 1050..1091		

Seq. No.	34661	Seq. ID	OJ990408_07.9819.C46
Gene No.	71619	Strand	-
Start	816	End	1054
Name	OJ990408_07.9819.C46.o1.gs	Method	GENSCAN
Start	816	End	1054
GI	none	Score	.46
Exons	816..1054		

Seq. No.	34662	Seq. ID	OJ990408_07.9819.C47
Gene No.	71620	Strand	+
Start	120	End	218
Name	OJ990408_07.9819.C47.ol.gp	Method	AAT/GAP
Start	120	End	218
GI	LIB3477-003-P1-K1-E9	Score	116
Exons	120..218		
GI Descrip.	'2498586/sp Q40638 MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	34662	Seq. ID	OJ990408_07.9819.C47
Gene No.	71621	Strand	-
Start	295	End	420
Name	OJ990408_07.9819.C47.ol.gs	Method	GENSCAN
Start	295	End	420
GI	none	Score	.74
Exons	295..420		

Seq. No.	34663	Seq. ID	OJ990408_07.9819.C48
Gene No.	71622	Strand	-
Start	54	End	4229
Name	OJ990408_07.9819.C48.ol.gs	Method	GENSCAN
Start	54	End	3853
GI	none	Score	.8
Exons	54..214, 366..568, 573..620, 684..815, 916..971, 1129..1311, 1404..1662, 1739..2037, 2129..2539, 2714..2960, 3066..3216, 3656..3853		

Seq. No.	34663	Seq. ID	OJ990408_07.9819.C48
Gene No.	71622	Strand	-
Start	54	End	4229
Name	OJ990408_07.9819.C48.ol.np	Method	AAT/NAP
Start	334	End	4229
GI	5441880	Score	2978
Exons	334..568, 684..815, 1062..1159, 1404..1662, 1739..2037, 2624..2960, 3066..3216, 3776..4099, 4139..4229		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	34663	Seq. ID	OJ990408_07.9819.C48
Gene No.	71622	Strand	-
Start	54	End	4229
Name	OJ990408_07.9819.C48.ol.gp	Method	AAT/GAP
Start	1412	End	1911
GI	LIB3475-007-P1-K1-G8	Score	805
Exons	1412..1662, 1739..1911		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	34664	Seq. ID	OJ990408_07.9819.C49
Gene No.	71623	Strand	+
Start	1	End	2239
Name	OJ990408_07.9819.C49.o2.np	Method	AAT/NAP
Start	1	End	2239

GI	5852172	Score	94
Exons	1..59, 686..802, 2124..2239		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		
Seq. No.	34664	Seq. ID	OJ990408_07.9819.C49
Gene No.	71623	Strand	+
Start	1	End	2239
Name	OJ990408_07.9819.C49.o2.gp	Method	AAT/GAP
Start	1695	End	1858
GI	7406_1.R1084	Score	212
Exons	1695..1858		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	34664	Seq. ID	OJ990408_07.9819.C49
Gene No.	71624	Strand	-
Start	1	End	803
Name	OJ990408_07.9819.C49.o1.gp	Method	AAT/GAP
Start	1	End	199
GI	5701669	Score	307
Exons	1..199		
GI Descrip.	5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	34664	Seq. ID	OJ990408_07.9819.C49
Gene No.	71624	Strand	-
Start	1	End	803
Name	OJ990408_07.9819.C49.o1.np	Method	AAT/NAP
Start	1	End	803
GI	5441880	Score	1339
Exons	1..803		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	34665	Seq. ID	OJ990408_07.9819.C50
Gene No.	71625	Strand	+
Start	250	End	322
Name	OJ990408_07.9819.C50.o1.gs	Method	GENSCAN
Start	250	End	322
GI	none	Score	.81
Exons	250..322		

Seq. No.	34665	Seq. ID	OJ990408_07.9819.C50
Gene No.	71626	Strand	+
Start	1913	End	9792
Name	OJ990408_07.9819.C50.o2.gs	Method	GENSCAN
Start	1913	End	9792
GI	none	Score	.45
Exons	1913..2047, 3393..3468, 5076..5198, 5700..5848, 5873..6018, 8036..8115, 8573..8600, 9537..9792		

Seq. No.	34665	Seq. ID	OJ990408_07.9819.C50
Gene No.	71626	Strand	+
Start	1913	End	9792
Name	OJ990408_07.9819.C50.o1.gp	Method	AAT/GAP

Start	4538	End	4704
GI	533_1.R1084	Score	177
Exons	4538..4628, 4651..4704		
GI Descrip.	'113172/sp P15543 ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir_S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	34665	Seq. ID	OJ990408_07.9819.C50
Gene No.	71627	Strand	-
Start	1	End	10282
Name	OJ990408_07.9819.C50.o2.np	Method	AAT/NAP
Start	1	End	10282
GI	4539386	Score	88
Exons	1..109, 4451..4517, 5134..5261, 5826..6128, 9677..9778, 10075..10282		
GI Descrip.	(AL035526) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	34665	Seq. ID	OJ990408_07.9819.C50
Gene No.	71627	Strand	-
Start	1	End	10282
Name	OJ990408_07.9819.C50.o1.np	Method	AAT/NAP
Start	244	End	326
GI	6630699	Score	76
Exons	244..326		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	34665	Seq. ID	OJ990408_07.9819.C50
Gene No.	71627	Strand	-
Start	1	End	10282
Name	OJ990408_07.9819.C50.o3.gs	Method	GENSCAN
Start	9889	End	10119
GI	none	Score	.89
Exons	9889..9976, 10054..10119		

Seq. No.	34666	Seq. ID	OJ990408_07.9819.C52
Gene No.	71628	Strand	+
Start	95	End	5174
Name	OJ990408_07.9819.C52.o1.gp	Method	AAT/GAP
Start	95	End	5174
GI	22342_1.R1084	Score	2636
Exons	95..309, 1617..1655, 2485..2622, 3110..3246, 3325..3407, 4121..4275, 4537..5174		
GI Descrip.	'5714737/gb AAD48057.1 AF171060_1 1.0e-14 (AF171060) RING finger protein A07 [Mus musculus]'		

Seq. No.	34666	Seq. ID	OJ990408_07.9819.C52
Gene No.	71628	Strand	+
Start	95	End	5174
Name	OJ990408_07.9819.C52.o2.tm	Method	TBLASTX:Maize
Start	216	End	4233
GI	none	Score	65
Exons	216..263, 220..267, 261..323, 268..309, 1613..1651, 1614..1655, 2481..2627, 2482..2646, 2503..2643, 3101..3190, 3107..3193, 3184..3249, 3194..3247, 3322..3369, 3326..3361, 3326..3382,		

4126..4233, 4136..4231

Seq. No.	34666	Seq. ID	OJ990408_07.9819.C52
Gene No.	71628	Strand	+
Start	95	End	5174
Name	OJ990408_07.9819.C52.ol.tc	Method	TBLASTX:Cress
Start	220	End	4269
GI	none	Score	101
Exons	220..309, 2482..2622, 3097..3195, 3101..3199, 3182..3244, 3206..3244, 3314..3355, 4189..4269		

Seq. No.	34666	Seq. ID	OJ990408_07.9819.C52
Gene No.	71628	Strand	+
Start	95	End	5174
Name	OJ990408_07.9819.C52.ol.tm	Method	TBLASTX:Maize
Start	4537	End	4956
GI	none	Score	231
Exons	4537..4734, 4537..4719, 4617..4721, 4827..4955, 4841..4954, 4894..4956		

Seq. No.	34667	Seq. ID	OJ990408_07.9819.C53
Gene No.	71629	Strand	+
Start	69	End	2067
Name	OJ990408_07.9819.C53.ol.np	Method	AAT/NAP
Start	69	End	2067
GI	4966347	Score	594
Exons	69..803, 863..997, 1107..1185, 1388..2067		
GI Descrip.	(AC006341) Similar to gb AJ012423 wall-associated kinase 2 from Arabidopsis thaliana.		

Seq. No.	34667	Seq. ID	OJ990408_07.9819.C53
Gene No.	71629	Strand	+
Start	69	End	2067
Name	OJ990408_07.9819.C53.o2.np	Method	AAT/NAP
Start	90	End	2067
GI	4826399	Score	754
Exons	90..414, 449..997, 1107..1274, 1406..2067		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		

Seq. No.	34667	Seq. ID	OJ990408_07.9819.C53
Gene No.	71629	Strand	+
Start	69	End	2067
Name	OJ990408_07.9819.C53.ol.tc	Method	TBLASTX:Cress
Start	174	End	2066
GI	none	Score	80
Exons	174..233, 175..237, 709..762, 817..861, 836..892, 900..1007, 901..1005, 1154..1198, 1519..1875, 1728..1856, 1742..1876, 1887..2066, 1888..2064		

Seq. No.	34667	Seq. ID	OJ990408_07.9819.C53
Gene No.	71629	Strand	+
Start	69	End	2067
Name	OJ990408_07.9819.C53.ol.gs	Method	GENSCAN
Start	202	End	1873
GI	none	Score	.5
Exons	202..997, 1385..1873		

Seq. No.	34667	Seq. ID	OJ990408_07.9819.C53
Gene No.	71629	Strand	+
Start	69	End	2067
Name	OJ990408_07.9819.C53.ol.tw	Method	TBLASTX:Wheat
Start	1521	End	1947
GI	none	Score	524
Exons	1521..1628, 1528..1884, 1665..1856, 1892..1945, 1897..1947		

Seq. No.	34667	Seq. ID	OJ990408_07.9819.C53
Gene No.	71629	Strand	+
Start	69	End	2067
Name	OJ990408_07.9819.C53.ol.tm	Method	TBLASTX:Maize
Start	1525	End	2066
GI	none	Score	348
Exons	1525..1878, 1572..1616, 1668..1856, 1763..1879, 1894..2064, 1896..2066, 1911..2066		

Seq. No.	34667	Seq. ID	OJ990408_07.9819.C53
Gene No.	71629	Strand	+
Start	69	End	2067
Name	OJ990408_07.9819.C53.ol.ts	Method	TBLASTX:Soybean
Start	1525	End	2061
GI	none	Score	112
Exons	1525..1698, 1555..1671, 1723..1878, 1728..1874, 1760..1885, 1891..2061, 1896..2051		

Seq. No.	34668	Seq. ID	OJ990408_07.9819.C54
Gene No.	71630	Strand	+
Start	1	End	736
Name	OJ990408_07.9819.C54.ol.np	Method	AAT/NAP
Start	1	End	736
GI	5739323	Score	370
Exons	1..24, 301..736		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		

Seq. No.	34669	Seq. ID	OJ990408_07.9819.C55
Gene No.	71631	Strand	+
Start	265	End	369
Name	OJ990408_07.9819.C55.ol.gp	Method	AAT/GAP
Start	265	End	369
GI	LIB3477-003-P1-K1-E9	Score	149
Exons	265..369		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA' 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]		

Seq. No.	34670	Seq. ID	OJ990408_07.9819.C56
Gene No.	71632	Strand	+
Start	1	End	384
Name	OJ990408_07.9819.C56.ol.np	Method	AAT/NAP
Start	1	End	381
GI	6630685	Score	264
Exons	1..381		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No. 34670
 Gene No. 71632
 Start 1
 Name OJ990408_07.9819.C56.ol.tm
 Start 88
 GI none
 Exons 88..363, 102..332

Seq. ID OJ990408_07.9819.C56
 Strand +
 End 384
 Method TBLASTX:Maize
 End 363
 Score 276

Seq. No. 34670
 Gene No. 71632
 Start 1
 Name OJ990408_07.9819.C56.ol.gs
 Start 162
 GI none
 Exons 162..384

Seq. ID OJ990408_07.9819.C56
 Strand +
 End 384
 Method GENSCAN
 End 384
 Score .63

Seq. No. 34671
 Gene No. 71633
 Start 301
 Name OJ990408_07.9819.C57.ol.gp
 Start 301
 GI 22342_1_R1084
 Exons 301..447, 718..738

Seq. ID OJ990408_07.9819.C57
 Strand +
 End 738
 Method AAT/GAP
 End 738
 Score 232

GI Descrip. '5714737/gb|AAD48057.1|AF171060_1|1.0e-14 (AF171060) RING finger protein A07 [Mus musculus]'

Seq. No. 34671
 Gene No. 71634
 Start 304
 Name OJ990408_07.9819.C57.ol.tm
 Start 280
 GI none
 Exons 280..444, 283..423, 299..445

Seq. ID OJ990408_07.9819.C57
 Strand -
 End 445
 Method TBLASTX:Maize
 End 445
 Score 139

Seq. No. 34671
 Gene No. 71634
 Start 304
 Name OJ990408_07.9819.C57.ol.gs
 Start 304
 GI none
 Exons 304..441

Seq. ID OJ990408_07.9819.C57
 Strand -
 End 445
 Method GENSCAN
 End 441
 Score .84

Seq. No. 34672
 Gene No. 71635
 Start 693
 Name OJ990408_07.9819.C58.ol.gs
 Start 693
 GI none
 Exons 693..713

Seq. ID OJ990408_07.9819.C58
 Strand +
 End 713
 Method GENSCAN
 End 713
 Score .42

Seq. No. 34673
 Gene No. 71636
 Start 2078
 Name OJ990408_07.9819.C59.ol.np
 Start 2078
 GI 4416302
 Exons 2078..2435

Seq. ID OJ990408_07.9819.C59
 Strand +
 End 2435
 Method AAT/NAP
 End 2435
 Score 219

GI Descrip. (AF105716) copia-type pol polyprotein [Zea mays]

Seq. No.	34673	Seq. ID	OJ990408_07.9819.C59
Gene No.	71636	Strand	+
Start	2078	End	2435
Name	OJ990408_07.9819.C59.o1.tw	Method	TBLASTX:Wheat
Start	2078	End	2344
GI	none	Score	216
Exons	2078..2344, 2182..2343		

Seq. No.	34673	Seq. ID	OJ990408_07.9819.C59
Gene No.	71636	Strand	+
Start	2078	End	2435
Name	OJ990408_07.9819.C59.o1.tm	Method	TBLASTX:Maize
Start	2078	End	2344
GI	none	Score	245
Exons	2078..2344, 2152..2343		

Seq. No.	34674	Seq. ID	OJ990408_07.9819.C60
Gene No.	71637	Strand	+
Start	1	End	1131
Name	OJ990408_07.9819.C60.o1.np	Method	AAT/NAP
Start	1	End	1131
GI	6630685	Score	1097
Exons	1..1131		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	34674	Seq. ID	OJ990408_07.9819.C60
Gene No.	71638	Strand	+
Start	2336	End	3311
Name	OJ990408_07.9819.C60.o2.tm	Method	TBLASTX:Maize
Start	4	End	340
GI	none	Score	321
Exons	4..141, 5..340, 17..340		

Seq. No.	34674	Seq. ID	OJ990408_07.9819.C60
Gene No.	71638	Strand	+
Start	2336	End	3311
Name	OJ990408_07.9819.C60.o2.ts	Method	TBLASTX:Soybean
Start	19	End	199
GI	none	Score	185
Exons	19..111, 20..199, 180..197		

Seq. No.	34674	Seq. ID	OJ990408_07.9819.C60
Gene No.	71638	Strand	+
Start	2336	End	3311
Name	OJ990408_07.9819.C60.o1.tw	Method	TBLASTX:Wheat
Start	281	End	711
GI	none	Score	105
Exons	281..430, 343..420, 455..598, 466..594, 601..711		

Seq. No.	34674	Seq. ID	OJ990408_07.9819.C60
Gene No.	71638	Strand	+
Start	2336	End	3311
Name	OJ990408_07.9819.C60.o1.tm	Method	TBLASTX:Maize
Start	458	End	1113

GI	none	Score	157
Exons	458..598, 466..600, 600..1103, 601..1113		
Seq. No.	34674	Seq. ID	OJ990408_07.9819.C60
Gene No.	71638	Strand	+
Start	2336	End	3311
Name	OJ990408_07.9819.C60.o1.ts	Method	TBLASTX:Soybean
Start	476	End	1143
GI	none	Score	91
Exons	476..598, 601..861, 663..821, 883..1143, 930..989		
Seq. No.	34674	Seq. ID	OJ990408_07.9819.C60
Gene No.	71638	Strand	+
Start	2336	End	3311
Name	OJ990408_07.9819.C60.o2.np	Method	AAT/NAP
Start	2336	End	3311
GI	6539588	Score	163
Exons	2336..2362, 3078..3311		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	34675	Seq. ID	OJ990408_07.9819.C61
Gene No.	71639	Strand	-
Start	1	End	2085
Name	OJ990408_07.9819.C61.o1.np	Method	AAT/NAP
Start	1	End	2085
GI	3269282	Score	1210
Exons	1..65, 580..2085		
GI Descrip.	(AL030978) putative protein [Arabidopsis thaliana]		
Seq. No.	34675	Seq. ID	OJ990408_07.9819.C61
Gene No.	71639	Strand	-
Start	1	End	2085
Name	OJ990408_07.9819.C61.o3.tw	Method	TBLASTX:Wheat
Start	546	End	757
GI	none	Score	114
Exons	546..740, 581..757		
Seq. No.	34675	Seq. ID	OJ990408_07.9819.C61
Gene No.	71639	Strand	-
Start	1	End	2085
Name	OJ990408_07.9819.C61.o3.tm	Method	TBLASTX:Maize
Start	620	End	913
GI	none	Score	105
Exons	620..913, 632..901, 756..908		
Seq. No.	34675	Seq. ID	OJ990408_07.9819.C61
Gene No.	71639	Strand	-
Start	1	End	2085
Name	OJ990408_07.9819.C61.o1.ts	Method	TBLASTX:Soybean
Start	623	End	1219
GI	none	Score	45
Exons	623..1219, 694..795, 696..818, 861..1007, 892..1032, 1101..1184		
Seq. No.	34675	Seq. ID	OJ990408_07.9819.C61
Gene No.	71639	Strand	-
Start	1	End	2085
Name	OJ990408_07.9819.C61.o3.tc	Method	TBLASTX:Cress

Start 623
GI none
Exons 623..814, 830..946

End 946
Score 84

Seq. No. 34675
Gene No. 71639
Start 1
Name OJ990408_07.9819.C61.o2.tm
Start 914
GI none
Exons 914..1291, 914..1297, 1233..1295

Seq. ID OJ990408_07.9819.C61
Strand -
End 2085
Method TBLASTX:Maize
End 1297
Score 176

Seq. No. 34675
Gene No. 71639
Start 1
Name OJ990408_07.9819.C61.o2.tw
Start 983
GI none
Exons 983..1243, 1065..1184

Seq. ID OJ990408_07.9819.C61
Strand -
End 2085
Method TBLASTX:Wheat
End 1243
Score 54

Seq. No. 34675
Gene No. 71639
Start 1
Name OJ990408_07.9819.C61.o1.tw
Start 1265
GI none
Exons 1265..1384, 1382..1591, 1395..1589, 1583..1927, 1587..1871

Seq. ID OJ990408_07.9819.C61
Strand -
End 2085
Method TBLASTX:Wheat
End 1927
Score 50

Seq. No. 34675
Gene No. 71639
Start 1
Name OJ990408_07.9819.C61.o2.tc
Start 1286
GI none
Exons 1286..1537, 1290..1442

Seq. ID OJ990408_07.9819.C61
Strand -
End 2085
Method TBLASTX:Cress
End 1537
Score 61

Seq. No. 34675
Gene No. 71639
Start 1
Name OJ990408_07.9819.C61.o1.tm
Start 1349
GI none
Exons 1349..1795, 1362..1589, 1421..1786, 1608..1796

Seq. ID OJ990408_07.9819.C61
Strand -
End 2085
Method TBLASTX:Maize
End 1796
Score 124

Seq. No. 34675
Gene No. 71639
Start 1
Name OJ990408_07.9819.C61.o2.ts
Start 1592
GI 5509260
Exons 1592..1948, 1614..1769, 1821..1943
GI Descrip. -

Seq. ID OJ990408_07.9819.C61
Strand -
End 2085
Method TBLASTX:Soybean
End 1948
Score 116

Seq. No. 34675
Gene No. 71639
Start 1
Name OJ990408_07.9819.C61.o1.tc

Seq. ID OJ990408_07.9819.C61
Strand -
End 2085
Method TBLASTX:Cress

Start	1709	End	1942
GI	none	Score	69
Exons	1709..1942, 1739..1915, 1797..1940		

Seq. No.	34676	Seq. ID	OJ990408_07.9819.C62
Gene No.	71640	Strand	-
Start	1	End	1767
Name	OJ990408_07.9819.C62.o1.np	Method	AAT/NAP
Start	1	End	1767
GI	3779021	Score	699
Exons	1..52, 144..1767		
GI Descrip.	(AC005171) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	34676	Seq. ID	OJ990408_07.9819.C62
Gene No.	71640	Strand	-
Start	1	End	1767
Name	OJ990408_07.9819.C62.o1.tc	Method	TBLASTX:Cress
Start	105	End	574
GI	none	Score	58
Exons	105..257, 137..574, 306..353		

Seq. No.	34676	Seq. ID	OJ990408_07.9819.C62
Gene No.	71640	Strand	-
Start	1	End	1767
Name	OJ990408_07.9819.C62.o1.tw	Method	TBLASTX:Wheat
Start	113	End	487
GI	none	Score	66
Exons	113..487, 169..330, 204..485		

Seq. No.	34676	Seq. ID	OJ990408_07.9819.C62
Gene No.	71640	Strand	-
Start	1	End	1767
Name	OJ990408_07.9819.C62.o1.tm	Method	TBLASTX:Maize
Start	164	End	623
GI	none	Score	140
Exons	164..541, 170..514, 372..515, 516..623, 518..619		

Seq. No.	34676	Seq. ID	OJ990408_07.9819.C62
Gene No.	71640	Strand	-
Start	1	End	1767
Name	OJ990408_07.9819.C62.o1.ts	Method	TBLASTX:Soybean
Start	167	End	613
GI	none	Score	266
Exons	167..613		

Seq. No.	34676	Seq. ID	OJ990408_07.9819.C62
Gene No.	71640	Strand	-
Start	1	End	1767
Name	OJ990408_07.9819.C62.o3.tm	Method	TBLASTX:Maize
Start	624	End	901
GI	none	Score	54
Exons	624..725, 629..745, 629..724, 737..901, 780..872		

Seq. No.	34676	Seq. ID	OJ990408_07.9819.C62
Gene No.	71640	Strand	-
Start	1	End	1767

Name	OJ990408_07.9819.C62.o2.tc	Method	TBLASTX:Cress
Start	713	End	1006
GI	none	Score	166
Exons	713..799, 803..1006		
Seq. No.	34676	Seq. ID	OJ990408_07.9819.C62
Gene No.	71640	Strand	-
Start	1	End	1767
Name	OJ990408_07.9819.C62.o2.tw	Method	TBLASTX:Wheat
Start	809	End	1258
GI	none	Score	88
Exons	809..925, 810..926, 956..1063, 963..998, 1055..1198, 1073..1258		
Seq. No.	34676	Seq. ID	OJ990408_07.9819.C62
Gene No.	71640	Strand	-
Start	1	End	1767
Name	OJ990408_07.9819.C62.o2.tm	Method	TBLASTX:Maize
Start	905	End	1234
GI	none	Score	112
Exons	905..1042, 1052..1234, 1116..1232		
Seq. No.	34677	Seq. ID	OJ990408_07.9819.C63
Gene No.	71641	Strand	-
Start	155	End	814
Name	OJ990408_07.9819.C63.o1.gs	Method	GENSCAN
Start	155	End	814
GI	none	Score	.82
Exons	155..814		
Seq. No.	34677	Seq. ID	OJ990408_07.9819.C63
Gene No.	71641	Strand	-
Start	155	End	814
Name	OJ990408_07.9819.C63.o1.tm	Method	TBLASTX:Maize
Start	174	End	472
GI	none	Score	36
Exons	174..236, 176..472, 272..472		
Seq. No.	34678	Seq. ID	OJ990408_07.9819.C65
Gene No.	71642	Strand	-
Start	484	End	580
Name	OJ990408_07.9819.C65.o1.gs	Method	GENSCAN
Start	484	End	580
GI	none	Score	.76
Exons	484..580		
Seq. No.	34679	Seq. ID	OJ990408_07.9819.C67
Gene No.	71643	Strand	+
Start	391	End	476
Name	OJ990408_07.9819.C67.o1.gp	Method	AAT/GAP
Start	391	End	476
GI	31166_1.R1084	Score	147
Exons	391..476		
GI Descrip.	'1518540 2.0e-97 (U53418) UDP-glucose dehydrogenase [Glycine max]'		
Seq. No.	34680	Seq. ID	OJ990408_07.9819.C68
Gene No.	71644	Strand	-

Start	1	End	756
Name	OJ990408_07.9819.C68.o1.np	Method	AAT/NAP
Start	1	End	756
GI	6899922	Score	166
Exons	1..20, 627..756		
GI Descrip.	(AL138651) multifunctional aminoacyl-tRNA ligase-like protein [Arabidopsis thaliana]		

Seq. No.	34680	Seq. ID	OJ990408_07.9819.C68
Gene No.	71644	Strand	-
Start	1	End	756
Name	OJ990408_07.9819.C68.o1.gs	Method	GENSCAN
Start	476	End	582
GI	none	Score	.98
Exons	476..582		

Seq. No.	34680	Seq. ID	OJ990408_07.9819.C68
Gene No.	71644	Strand	-
Start	1	End	756
Name	OJ990408_07.9819.C68.o1.ts	Method	TBLASTX:Soybean
Start	613	End	755
GI	none	Score	135
Exons	613..750, 626..754, 627..755		

Seq. No.	34680	Seq. ID	OJ990408_07.9819.C68
Gene No.	71644	Strand	-
Start	1	End	756
Name	OJ990408_07.9819.C68.o1.tm	Method	TBLASTX:Maize
Start	626	End	755
GI	none	Score	154
Exons	626..751, 626..754, 627..755		

Seq. No.	34681	Seq. ID	OJ990408_07.9819.C70
Gene No.	71645	Strand	+
Start	94	End	162
Name	OJ990408_07.9819.C70.o1.gs	Method	GENSCAN
Start	94	End	162
GI	none	Score	.99
Exons	94..162		

Seq. No.	34682	Seq. ID	OJ990408_07.9819.C73
Gene No.	71646	Strand	+
Start	1	End	1557
Name	OJ990408_07.9819.C73.o1.np	Method	AAT/NAP
Start	1	End	1557
GI	6691193	Score	87
Exons	1..53, 1227..1557		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	34682	Seq. ID	OJ990408_07.9819.C73
Gene No.	71646	Strand	+
Start	1	End	1557
Name	OJ990408_07.9819.C73.o1.gs	Method	GENSCAN
Start	77	End	1286
GI	none	Score	.68
Exons	77..142, 333..479, 541..1286		

Seq. No.	34683	Seq. ID	OJ990408_07.9819.C75
Gene No.	71647	Strand	-
Start	199	End	766
Name	OJ990408_07.9819.C75.o1.tc	Method	TBLASTX:Cress
Start	169	End	742
GI	none	Score	334
Exons	169..531, 209..520, 214..534, 533..742, 535..732		

Seq. No.	34683	Seq. ID	OJ990408_07.9819.C75
Gene No.	71647	Strand	-
Start	199	End	766
Name	OJ990408_07.9819.C75.o2.tw	Method	TBLASTX:Wheat
Start	188	End	348
GI	none	Score	204
Exons	188..346, 194..346, 196..348		

Seq. No.	34683	Seq. ID	OJ990408_07.9819.C75
Gene No.	71647	Strand	-
Start	199	End	766
Name	OJ990408_07.9819.C75.o1.ts	Method	TBLASTX:Soybean
Start	193	End	742
GI	none	Score	393
Exons	193..732, 199..732, 200..742		

Seq. No.	34683	Seq. ID	OJ990408_07.9819.C75
Gene No.	71647	Strand	-
Start	199	End	766
Name	OJ990408_07.9819.C75.o1.tm	Method	TBLASTX:Maize
Start	195	End	742
GI	none	Score	58
Exons	195..248, 196..732, 197..742		

Seq. No.	34683	Seq. ID	OJ990408_07.9819.C75
Gene No.	71647	Strand	-
Start	199	End	766
Name	OJ990408_07.9819.C75.o1.gs	Method	GENSCAN
Start	199	End	690
GI	none	Score	.55
Exons	199..690		

Seq. No.	34683	Seq. ID	OJ990408_07.9819.C75
Gene No.	71647	Strand	-
Start	199	End	766
Name	OJ990408_07.9819.C75.o1.np	Method	AAT/NAP
Start	202	End	766
GI	6136119	Score	862
Exons	202..766		
GI Descrip.	UDP-GLUCOSE 6-DEHYDROGENASE (UDP-GLC DEHYDROGENASE) (UDP-GLCDH) (UDPGDH) gi 1518540 (U53418) UDP-glucose dehydrogenase [Glycine max]		

Seq. No.	34683	Seq. ID	OJ990408_07.9819.C75
Gene No.	71647	Strand	-
Start	199	End	766
Name	OJ990408_07.9819.C75.o3.tw	Method	TBLASTX:Wheat
Start	354	End	474
GI	none	Score	82

Exons 354..431, 355..474, 356..472

Seq. No. 34683
Gene No. 71647
Start 199
Name OJ990408_07.9819.C75.o1.tw
Start 475
GI none
Exons 475..732, 476..742

Seq. ID OJ990408_07.9819.C75
Strand -
End 766
Method TBLASTX:Wheat
End 742
Score 343

Seq. No. 34684
Gene No. 71648
Start 60
Name OJ990408_07.9819.C77.o1.gs
Start 60
GI none
Exons 60..229, 539..638

Seq. ID OJ990408_07.9819.C77
Strand -
End 638
Method GENSCAN
End 638
Score .83

Seq. No. 34685
Gene No. 71649
Start 355
Name OJ990408_07.9819.C79.o1.np
Start 355
GI 5922630
Exons 355..762

Seq. ID OJ990408_07.9819.C79
Strand +
End 762
Method AAT/NAP
End 762
Score 89

GI Descrip. (AP000492) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]
gi|6016863|dbj|BAA85206.1| (AP000570) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 34685
Gene No. 71650
Start 368
Name OJ990408_07.9819.C79.o1.gs
Start 368
GI none
Exons 368..548

Seq. ID OJ990408_07.9819.C79
Strand -
End 548
Method GENSCAN
End 548
Score .69

Seq. No. 34686
Gene No. 71651
Start 1
Name OJ990408_07.9819.C80.o1.np
Start 1
GI 6498441
Exons 1..23, 312..766

Seq. ID OJ990408_07.9819.C80
Strand +
End 766
Method AAT/NAP
End 766
Score 213

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No. 34686
Gene No. 71651
Start 1
Name OJ990408_07.9819.C80.o1.gs
Start 90
GI none
Exons 90..246, 331..705

Seq. ID OJ990408_07.9819.C80
Strand +
End 766
Method GENSCAN
End 705
Score .78

Seq. No.	34686	Seq. ID	OJ990408_07.9819.C80
Gene No.	71651	Strand	+
Start	1	End	766
Name	OJ990408_07.9819.C80.o2.tw	Method	TBLASTX:Wheat
Start	276	End	512
GI	none	Score	169
Exons	276..512		

Seq. No.	34686	Seq. ID	OJ990408_07.9819.C80
Gene No.	71651	Strand	+
Start	1	End	766
Name	OJ990408_07.9819.C80.o1.ts	Method	TBLASTX:Soybean
Start	351	End	719
GI	none	Score	131
Exons	351..569, 585..719		

Seq. No.	34686	Seq. ID	OJ990408_07.9819.C80
Gene No.	71651	Strand	+
Start	1	End	766
Name	OJ990408_07.9819.C80.o1.tw	Method	TBLASTX:Wheat
Start	522	End	764
GI	none	Score	375
Exons	522..764, 530..763		

Seq. No.	34686	Seq. ID	OJ990408_07.9819.C80
Gene No.	71651	Strand	+
Start	1	End	766
Name	OJ990408_07.9819.C80.o1.tm	Method	TBLASTX:Maize
Start	573	End	766
GI	none	Score	256
Exons	573..764, 575..766		

Seq. No.	34687	Seq. ID	OJ990408_07.9819.C81
Gene No.	71652	Strand	+
Start	619	End	716
Name	OJ990408_07.9819.C81.o1.gs	Method	GENSCAN
Start	619	End	716
GI	none	Score	.74
Exons	619..716		

Seq. No.	34688	Seq. ID	OJ990408_07.9819.C82
Gene No.	71653	Strand	+
Start	213	End	594
Name	OJ990408_07.9819.C82.o1.gp	Method	AAT/GAP
Start	213	End	594
GI	uC-osflcyp033a04b1	Score	667
Exons	213..594		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34688	Seq. ID	OJ990408_07.9819.C82
Gene No.	71654	Strand	-
Start	146	End	346
Name	OJ990408_07.9819.C82.o1.np	Method	AAT/NAP
Start	146	End	346
GI	4680186	Score	343

Exons	146..346		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71655	Strand	+
Start	397	End	845
Name	OJ990528_32.9922.C1.o1.gs	Method	GENSCAN
Start	397	End	845
GI	none	Score	.54
Exons	397..600, 784..845		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71656	Strand	+
Start	7585	End	10572
Name	OJ990528_32.9922.C1.o3.gs	Method	GENSCAN
Start	7585	End	10572
GI	none	Score	.79
Exons	7585..7590, 9552..9679, 10308..10572		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71657	Strand	+
Start	13179	End	14503
Name	OJ990528_32.9922.C1.o4.gs	Method	GENSCAN
Start	13179	End	14503
GI	none	Score	.58
Exons	13179..13357, 14383..14503		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71658	Strand	+
Start	19686	End	21165
Name	OJ990528_32.9922.C1.o6.gs	Method	GENSCAN
Start	19686	End	21165
GI	none	Score	.51
Exons	19686..19901, 21142..21165		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71659	Strand	-
Start	1224	End	6528
Name	OJ990528_32.9922.C1.o1.np	Method	AAT/NAP
Start	1209	End	5408
GI	5295971	Score	3538
Exons	1209..4500, 4528..5408		

GI Descrip. (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71659	Strand	-
Start	1224	End	6528
Name	OJ990528_32.9922.C1.o2.gs	Method	GENSCAN
Start	1224	End	6528
GI	none	Score	.79
Exons	1224..5597, 6394..6528		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942

Name	OJ990528_32.9922.C1.o2.ts	Method	TBLASTX:Soybean
Start	1233	End	1874
GI	none	Score	115
Exons	1233..1874, 1288..1620		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o1.tc	Method	TBLASTX:Cress
Start	1236	End	1895
GI	none	Score	83
Exons	1236..1454, 1336..1446, 1491..1604, 1602..1706, 1713..1895		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o7.tm	Method	TBLASTX:Maize
Start	1237	End	1473
GI	none	Score	139
Exons	1237..1473, 1239..1469		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o4.tw	Method	TBLASTX:Wheat
Start	1266	End	1691
GI	none	Score	45
Exons	1266..1445, 1273..1446, 1482..1691, 1483..1602		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	1485	End	1931
GI	none	Score	154
Exons	1485..1700, 1486..1641, 1505..1711, 1698..1931, 1735..1926		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o7.tw	Method	TBLASTX:Wheat
Start	1743	End	2024
GI	none	Score	62
Exons	1743..1895, 1920..2024		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o6.tm	Method	TBLASTX:Maize
Start	1938	End	2198
GI	none	Score	138
Exons	1938..2198, 1939..2118		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o2.tw	Method	TBLASTX:Wheat

Start	2034	End	2583
GI	none	Score	49
Exons	2034..2252, 2238..2582, 2320..2427, 2452..2583		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o1.ts	Method	TBLASTX:Soybean
Start	2265	End	2789
GI	5509260	Score	192
Exons	2265..2789, 2281..2670		
GI Descrip.	-		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o4.tc	Method	TBLASTX:Cress
Start	2364	End	2625
GI	none	Score	89
Exons	2364..2624, 2491..2625		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o4.tm	Method	TBLASTX:Maize
Start	2403	End	2723
GI	none	Score	245
Exons	2403..2723, 2404..2664		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o3.ts	Method	TBLASTX:Soybean
Start	3105	End	3584
GI	none	Score	48
Exons	3105..3293, 3138..3584, 3289..3579		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o3.tc	Method	TBLASTX:Cress
Start	3132	End	3569
GI	none	Score	253
Exons	3132..3569		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o2.tm	Method	TBLASTX:Maize
Start	3186	End	3615
GI	none	Score	46
Exons	3186..3257, 3270..3611, 3280..3348, 3327..3596, 3391..3615		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o5.tw	Method	TBLASTX:Wheat

Start	3258	End	3620
GI	none	Score	42
Exons	3258..3347, 3274..3348, 3357..3620, 3394..3603		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o5.ts	Method	TBLASTX:Soybean
Start	3678	End	3953
GI	none	Score	189
Exons	3678..3953, 3777..3857		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o3.tw	Method	TBLASTX:Wheat
Start	3903	End	4343
GI	none	Score	105
Exons	3903..3977, 3978..4343, 4063..4329		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o5.tm	Method	TBLASTX:Maize
Start	3956	End	4427
GI	none	Score	138
Exons	3956..4051, 3957..4355, 3957..4112, 3958..4365, 4135..4356, 4146..4364, 4341..4427		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o8.tm	Method	TBLASTX:Maize
Start	4857	End	5184
GI	none	Score	82
Exons	4857..5183, 4858..5184		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o6.tw	Method	TBLASTX:Wheat
Start	4908	End	5258
GI	none	Score	192
Exons	4908..5258		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o2.gp	Method	AAT/GAP
Start	17538	End	19942
GI	1211_2.R1084	Score	1341
Exons	17538..17815, 17906..17971, 18616..18901, 19731..19778, 19872..19942		
GI Descrip.	'5106775/gb AAD39838.1 AF067732_1 2.0e-67 (AF067732) ribosomal protein S12 [Hordeum vulgare]'		

Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
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Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o4.ts	Method	TBLASTX:Soybean
Start	17628	End	18847
GI	none	Score	57
Exons	17628..17711, 17628..17696, 17722..17817, 17747..17824, 17748..17858, 17755..17826, 17904..17972, 17906..17971, 18613..18846, 18614..18847		
Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o3.tm	Method	TBLASTX:Maize
Start	17649	End	18903
GI	none	Score	49
Exons	17649..17705, 17651..17701, 17720..17818, 17720..17824, 17905..17970, 17906..17971, 18613..18903, 18614..18901		
Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o2.tc	Method	TBLASTX:Cress
Start	17753	End	18877
GI	none	Score	78
Exons	17753..17824, 17904..17972, 17906..17971, 18613..18873, 18617..18877		
Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o2.np	Method	AAT/NAP
Start	17759	End	18924
GI	5106775	Score	559
Exons	17759..17815, 17906..17971, 18616..18924		
GI Descrip.	(AF067732) ribosomal protein S12 [Hordeum vulgare]		
Seq. No.	34689	Seq. ID	OJ990528_32.9922.C1
Gene No.	71660	Strand	-
Start	17538	End	19942
Name	OJ990528_32.9922.C1.o1.tw	Method	TBLASTX:Wheat
Start	18613	End	18901
GI	none	Score	308
Exons	18613..18870, 18614..18901		
Seq. No.	34690	Seq. ID	OJ990528_32.9922.C2
Gene No.	71661	Strand	+
Start	172	End	375
Name	OJ990528_32.9922.C2.o1.gs	Method	GENSCAN
Start	172	End	375
GI	none	Score	.85
Exons	172..375		
Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71662	Strand	+
Start	3290	End	8092
Name	OJ990528_32.9922.C3.o2.gs	Method	GENSCAN
Start	3290	End	7752

GI	none	Score	.78
Exons	3290..3563, 4546..4709, 5531..5806, 5935..6779, 6887..7142, 7372..7752		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71662	Strand	+
Start	3290	End	8092
Name	OJ990528_32.9922.C3.o2.gp	Method	AAT/GAP
Start	4641	End	6118
GI	43717_1.R1084	Score	994
Exons	4641..4709, 5531..5806, 5935..6118		
GI Descrip.	'4982479/gb AAD36947.1 AF069441_7 2.0e-19 (AF069441) predicted protein of unknown function [Arabidopsis thaliana]'		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71662	Strand	+
Start	3290	End	8092
Name	OJ990528_32.9922.C3.o3.gp	Method	AAT/GAP
Start	7028	End	8092
GI	20787_1.R1084	Score	1618
Exons	7028..7142, 7372..8092		
GI Descrip.	'4263507/gb AAD15333.1 1.0e-12 (AC004044) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71663	Strand	+
Start	8486	End	15802
Name	OJ990528_32.9922.C3.o1.np	Method	AAT/NAP
Start	8486	End	15802
GI	5262797	Score	1514
Exons	8486..10224, 15779..15802		
GI Descrip.	(AL080282) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71664	Strand	-
Start	1580	End	2074
Name	OJ990528_32.9922.C3.o1.gs	Method	GENSCAN
Start	1580	End	2074
GI	none	Score	.61
Exons	1580..1777, 1955..2074		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71665	Strand	-
Start	2444	End	2986
Name	OJ990528_32.9922.C3.o1.gp	Method	AAT/GAP
Start	2444	End	2986
GI	none	Score	934
Exons	2444..2986		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71666	Strand	
Start	5525	End	7786
Name	OJ990528_32.9922.C3.o4.tc	Method	TBLASTX:Cress
Start	5525	End	6272
GI	none	Score	329
Exons	5525..5809, 5531..5779, 5536..5808, 5932..6003, 6046..6270, 6051..6272		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71666	Strand	
Start	5525	End	7786
Name	OJ990528_32.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	5529	End	7692
GI	none	Score	310
Exons	5529..5621, 5536..5679, 5543..5809, 5657..5800, 5719..5808, 5918..6016, 5931..6101, 5938..6705, 5938..6114, 5973..6704, 6493..6708, 6712..6780, 6723..6773, 6884..7123, 6885..7142, 6888..7142, 7028..7144, 7348..7692, 7413..7526		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71666	Strand	
Start	5525	End	7786
Name	OJ990528_32.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	5612	End	7786
GI	none	Score	284
Exons	5612..5806, 5612..5806, 5613..5807, 5932..6444, 5932..6114, 5933..6415, 6436..6780, 6438..6779, 6843..7145, 6863..7141, 6888..7142, 6961..7152, 7369..7608, 7369..7608, 7379..7618, 7379..7618, 7541..7699, 7584..7751, 7592..7786, 7603..7752		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71666	Strand	
Start	5525	End	7786
Name	OJ990528_32.9922.C3.o3.tc	Method	TBLASTX:Cress
Start	6637	End	7413
GI	none	Score	67
Exons	6637..6705, 6712..6780, 6836..7141, 6837..7142, 7348..7413		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71667	Strand	
Start	8834	End	10312
Name	OJ990528_32.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	8834	End	9577
GI	none	Score	107
Exons	8834..9034, 8923..9030, 9038..9214, 9104..9334, 9118..9225, 9356..9577, 9398..9514, 9445..9576		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71667	Strand	
Start	8834	End	10312
Name	OJ990528_32.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	8834	End	9982
GI	none	Score	109
Exons	8834..9034, 8834..9025, 9038..9124, 9041..9217, 9118..9333, 9134..9334, 9143..9334, 9146..9328, 9227..9331, 9344..9463, 9350..9982, 9448..9699, 9763..9933		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71667	Strand	
Start	8834	End	10312
Name	OJ990528_32.9922.C3.o2.tc	Method	TBLASTX:Cress
Start	8834	End	9658
GI	none	Score	117
Exons	8834..9025, 8837..9034, 8923..9027, 9038..9334, 9040..9333,		

9143..9214, 9145..9363, 9146..9334, 9341..9448, 9344..9514,
9431..9553, 9445..9552, 9554..9658

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71667	Strand	
Start	8834	End	10312
Name	OJ990528_32.9922.C3.o5.ts	Method	TBLASTX:Soybean
Start	9038	End	9499
GI	none	Score	137
Exons	9038..9244, 9254..9334, 9344..9415, 9344..9499		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71667	Strand	
Start	8834	End	10312
Name	OJ990528_32.9922.C3.o2.ts	Method	TBLASTX:Soybean
Start	9512	End	10048
GI	none	Score	425
Exons	9512..10048, 9547..9933		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71667	Strand	
Start	8834	End	10312
Name	OJ990528_32.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	9740	End	10312
GI	none	Score	468
Exons	9740..10312, 9742..10272, 10094..10312		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71667	Strand	
Start	8834	End	10312
Name	OJ990528_32.9922.C3.o3.tm	Method	TBLASTX:Maize
Start	9983	End	10279
GI	none	Score	332
Exons	9983..10279, 9983..10270, 10066..10275		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71667	Strand	
Start	8834	End	10312
Name	OJ990528_32.9922.C3.o4.ts	Method	TBLASTX:Soybean
Start	10051	End	10282
GI	none	Score	270
Exons	10051..10272, 10052..10282		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71668	Strand	
Start	12829	End	13099
Name	OJ990528_32.9922.C3.o3.ts	Method	TBLASTX:Soybean
Start	12829	End	13087
GI	none	Score	272
Exons	12829..13059, 12845..13087		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71668	Strand	
Start	12829	End	13099
Name	OJ990528_32.9922.C3.o2.tw	Method	TBLASTX:Wheat
Start	12845	End	13087
GI	none	Score	78

Exons 12845..12919, 12922..13065, 12923..13087

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71668	Strand	
Start	12829	End	13099
Name	OJ990528_32.9922.C3.o5.tc	Method	TBLASTX:Cress
Start	12854	End	13087
GI	none	Score	255
Exons	12854..13087, 12910..13062		

Seq. No.	34691	Seq. ID	OJ990528_32.9922.C3
Gene No.	71668	Strand	
Start	12829	End	13099
Name	OJ990528_32.9922.C3.o4.tm	Method	TBLASTX:Maize
Start	12877	End	13099
GI	none	Score	261
Exons	12877..13065, 12878..13099		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71669	Strand	+
Start	851	End	10177
Name	OJ990528_32.9922.C4.o2.np	Method	AAT/NAP
Start	851	End	3837
GI	3645898	Score	545
Exons	851..950, 2157..3112, 3140..3543, 3629..3837		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71669	Strand	+
Start	851	End	10177
Name	OJ990528_32.9922.C4.o2.gs	Method	GENSCAN
Start	2059	End	10177
GI	none	Score	.5
Exons	2059..2985, 3043..3569, 3705..3935, 4080..4200, 4238..5538, 5704..5977, 5996..6457, 6635..6751, 6932..7025, 7894..8114, 8768..10177		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71669	Strand	+
Start	851	End	10177
Name	OJ990528_32.9922.C4.o3.np	Method	AAT/NAP
Start	4310	End	7420
GI	6630685	Score	4558
Exons	4310..4381, 4672..7420		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71670	Strand	+
Start	13732	End	20922
Name	OJ990528_32.9922.C4.o4.gs	Method	GENSCAN
Start	13732	End	20651
GI	none	Score	.48
Exons	13732..13892, 15137..15224, 16321..16343, 17341..17467, 17473..17760, 20223..20651		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71670	Strand	+
Start	13732	End	20922
Name	OJ990528_32.9922.C4.o4.np	Method	AAT/NAP
Start	19911	End	20922
GI	6907086	Score	1265
Exons	19911..20668, 20726..20922		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71671	Strand	-
Start	291	End	1753
Name	OJ990528_32.9922.C4.o1.gs	Method	GENSCAN
Start	291	End	1753
GI	none	Score	.64
Exons	291..346, 449..664, 1372..1753		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71671	Strand	-
Start	291	End	1753
Name	OJ990528_32.9922.C4.o1.np	Method	AAT/NAP
Start	461	End	723
GI	6539588	Score	185
Exons	461..723		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71672	Strand	-
Start	10930	End	13059
Name	OJ990528_32.9922.C4.o3.gs	Method	GENSCAN
Start	10930	End	13059
GI	none	Score	.89
Exons	10930..11351, 12882..13059		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o3.tw	Method	TBLASTX:Wheat
Start	2131	End	2559
GI	none	Score	264
Exons	2131..2559, 2164..2259, 2166..2264		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o4.ts	Method	TBLASTX:Soybean
Start	2161	End	4390
GI	none	Score	70
Exons	2161..2268, 2272..2607, 4195..4236, 4247..4390		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o7.tm	Method	TBLASTX:Maize
Start	2317	End	2718
GI	none	Score	220
Exons	2317..2718, 2458..2568		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o6.tm	Method	TBLASTX:Maize
Start	4143	End	4483
GI	none	Score	103
Exons	4143..4217, 4144..4245, 4241..4483, 4246..4482		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o5.tw	Method	TBLASTX:Wheat
Start	4262	End	4576
GI	none	Score	224
Exons	4262..4576, 4267..4296, 4351..4476		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o4.tm	Method	TBLASTX:Maize
Start	4484	End	4879
GI	none	Score	142
Exons	4484..4603, 4492..4599, 4606..4878, 4607..4879		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	4643	End	5215
GI	none	Score	273
Exons	4643..4891, 4651..4875, 4902..4946, 4903..4926, 4930..5214, 4931..5215		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	4880	End	5752
GI	none	Score	107
Exons	4880..4951, 4885..5625, 4952..5752, 5629..5670		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o3.ts	Method	TBLASTX:Soybean
Start	5060	End	5521
GI	none	Score	305
Exons	5060..5521, 5080..5370		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	5096	End	5518
GI	none	Score	215
Exons	5096..5518		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o4.tw	Method	TBLASTX:Wheat
Start	5305	End	5647
GI	none	Score	117
Exons	5305..5379, 5306..5392, 5313..5381, 5381..5539, 5392..5538, 5435..5542, 5567..5647		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o5.tm	Method	TBLASTX:Maize
Start	5761	End	6078
GI	none	Score	454
Exons	5761..6078, 5762..6076		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	5785	End	6393
GI	5509260	Score	223
Exons	5785..6000, 5786..6001, 6010..6393, 6011..6391		
GI Descrip.	-		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o2.tw	Method	TBLASTX:Wheat
Start	5911	End	6385
GI	none	Score	83
Exons	5911..6000, 5912..6001, 5995..6030, 6022..6171, 6030..6224, 6032..6379, 6034..6366, 6035..6385		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o3.tc	Method	TBLASTX:Cress
Start	5995	End	6274
GI	none	Score	204
Exons	5995..6240, 5996..6274		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	6196	End	6631
GI	none	Score	621
Exons	6196..6630, 6197..6631		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	6746	End	7449

GI	none	Score	991
Exons	6746..7441, 6754..7437, 7094..7438, 7237..7449, 7338..7439		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o2.ts	Method	TBLASTX:Soybean
Start	6764	End	7405
GI	none	Score	296
Exons	6764..7153, 6776..7147, 6988..7152, 7165..7278, 7172..7405		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o6.tw	Method	TBLASTX:Wheat
Start	6902	End	7369
GI	none	Score	122
Exons	6902..7162, 7057..7137, 7181..7369, 7187..7354		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o2.tc	Method	TBLASTX:Cress
Start	6947	End	7402
GI	none	Score	62
Exons	6947..7033, 7037..7171, 7183..7350, 7190..7402		

Seq. No.	34692	Seq. ID	OJ990528_32.9922.C4
Gene No.	71673	Strand	-
Start	17971	End	18475
Name	OJ990528_32.9922.C4.o1.gp	Method	AAT/GAP
Start	17971	End	18475
GI	38782_1.R1084	Score	814
Exons	17971..18475		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	34693	Seq. ID	OJ990528_32.9922.C5
Gene No.	71674	Strand	+
Start	1376	End	2395
Name	OJ990528_32.9922.C5.o1.gs	Method	GENSCAN
Start	1376	End	2395
GI	none	Score	.96
Exons	1376..1471, 2071..2135, 2275..2395		

Seq. No.	34693	Seq. ID	OJ990528_32.9922.C5
Gene No.	71675	Strand	-
Start	4655	End	4931
Name	OJ990528_32.9922.C5.o2.gs	Method	GENSCAN
Start	4655	End	4931
GI	none	Score	.49
Exons	4655..4931		

Seq. No.	34694	Seq. ID	OJ990528_32.9922.C6
Gene No.	71676	Strand	+
Start	168	End	395
Name	OJ990528_32.9922.C6.o1.gp	Method	AAT/GAP

Start	168	End	395
GI	1211_2.R1084	Score	348
Exons	168..395		
GI Descrip.	'5106775/gb AAD39838.1 AF067732_1 2.0e-67 (AF067732) ribosomal protein S12 [Hordeum vulgare]'		

Seq. No.	34694	Seq. ID	OJ990528_32.9922.C6
Gene No.	71677	Strand	+
Start	700	End	1387
Name	OJ990528_32.9922.C6.o1.gs	Method	GENSCAN
Start	700	End	1387
GI	none	Score	.97
Exons	700..769, 774..1387		

Seq. No.	34694	Seq. ID	OJ990528_32.9922.C6
Gene No.	71678	Strand	-
Start	728	End	4621
Name	OJ990528_32.9922.C6.o1.np	Method	AAT/NAP
Start	728	End	4621
GI	4680203	Score	1833
Exons	728..747, 3020..4621		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	34694	Seq. ID	OJ990528_32.9922.C6
Gene No.	71678	Strand	-
Start	728	End	4621
Name	OJ990528_32.9922.C6.o2.gs	Method	GENSCAN
Start	3016	End	4621
GI	none	Score	.78
Exons	3016..3431, 3853..3981, 4162..4621		

Seq. No.	34694	Seq. ID	OJ990528_32.9922.C6
Gene No.	71678	Strand	-
Start	728	End	4621
Name	OJ990528_32.9922.C6.o2.ts	Method	TBLASTX:Soybean
Start	3124	End	3366
GI	none	Score	209
Exons	3124..3366		

Seq. No.	34694	Seq. ID	OJ990528_32.9922.C6
Gene No.	71678	Strand	-
Start	728	End	4621
Name	OJ990528_32.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	3196	End	3643
GI	none	Score	53
Exons	3196..3390, 3401..3445, 3504..3587, 3581..3643		

Seq. No.	34694	Seq. ID	OJ990528_32.9922.C6
Gene No.	71678	Strand	-
Start	728	End	4621
Name	OJ990528_32.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	3230	End	3700
GI	none	Score	130
Exons	3230..3391, 3230..3334, 3235..3390, 3399..3437, 3401..3439, 3495..3539, 3496..3534, 3543..3587, 3547..3588, 3587..3646, 3644..3700, 3648..3692		

Seq. No.	34694	Seq. ID	OJ990528_32.9922.C6
Gene No.	71678	Strand	-
Start	728	End	4621
Name	OJ990528_32.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	3495	End	3836
GI	none	Score	44
Exons	3495..3587, 3508..3567, 3579..3626, 3587..3829, 3684..3836		

Seq. No.	34694	Seq. ID	OJ990528_32.9922.C6
Gene No.	71678	Strand	-
Start	728	End	4621
Name	OJ990528_32.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	3579	End	3998
GI	none	Score	78
Exons	3579..3833, 3587..3865, 3860..3922, 3912..3998, 3923..3997		

Seq. No.	34694	Seq. ID	OJ990528_32.9922.C6
Gene No.	71678	Strand	-
Start	728	End	4621
Name	OJ990528_32.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	3919	End	4296
GI	none	Score	179
Exons	3919..4179, 3929..4180, 3930..4172, 4163..4264, 4174..4275, 4177..4296		

Seq. No.	34695	Seq. ID	OJ990528_32.9922.C7
Gene No.	71679	Strand	+
Start	777	End	1811
Name	OJ990528_32.9922.C7.o1.gs	Method	GENSCAN
Start	777	End	1811
GI	none	Score	.45
Exons	777..1035, 1107..1286, 1727..1811		

Seq. No.	34695	Seq. ID	OJ990528_32.9922.C7
Gene No.	71680	Strand	+
Start	2695	End	3186
Name	OJ990528_32.9922.C7.o2.gs	Method	GENSCAN
Start	2695	End	3186
GI	none	Score	.9
Exons	2695..2899, 2969..3186		

Seq. No.	34695	Seq. ID	OJ990528_32.9922.C7
Gene No.	71681	Strand	+
Start	10636	End	12525
Name	OJ990528_32.9922.C7.o4.gs	Method	GENSCAN
Start	10636	End	12525
GI	none	Score	.57
Exons	10636..10696, 12170..12525		

Seq. No.	34695	Seq. ID	OJ990528_32.9922.C7
Gene No.	71682	Strand	-
Start	862	End	2105
Name	OJ990528_32.9922.C7.o1.np	Method	AAT/NAP
Start	862	End	2105
GI	4996648	Score	62
Exons	862..972, 2001..2105		
GI Descrip.	(AB028133) Dof zinc finger protein [Oryza sativa]		

Seq. No.	34695	Seq. ID	OJ990528_32.9922.C7
Gene No.	71683	Strand	-
Start	14402	End	14912
Name	OJ990528_32.9922.C7.o1.gp	Method	AAT/GAP
Start	14149	End	14843
GI	718_3.R1084	Score	1085
Exons	14149..14644, 14763..14843		
GI Descrip.	'548605/sp P36886 PSAK_HORVU 6.0e-63 PHOTOSYSTEM I REACTION CENTRE SUBUNIT X PRECURSOR (LIGHT-HARVESTING COMPLEX I 7 KD PROTEIN) (PSI-K) >gi_539055_pir_A48527 photosystem I protein psaK precursor - barley >gi_304220 (L12707) photosystem I PSI-K subunit [Hordeum vulgare]'		

Seq. No.	34695	Seq. ID	OJ990528_32.9922.C7
Gene No.	71683	Strand	-
Start	14402	End	14912
Name	OJ990528_32.9922.C7.o5.gs	Method	GENSCAN
Start	14402	End	14650
GI	none	Score	.83
Exons	14402..14650		

Seq. No.	34695	Seq. ID	OJ990528_32.9922.C7
Gene No.	71683	Strand	-
Start	14402	End	14912
Name	OJ990528_32.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	14405	End	14838
GI	none	Score	245
Exons	14405..14644, 14478..14645, 14748..14816, 14749..14808, 14767..14820, 14805..14837, 14806..14838		

Seq. No.	34695	Seq. ID	OJ990528_32.9922.C7
Gene No.	71683	Strand	-
Start	14402	End	14912
Name	OJ990528_32.9922.C7.o2.np	Method	AAT/NAP
Start	14405	End	14912
GI	548605	Score	427
Exons	14405..14644, 14763..14912		
GI Descrip.	PHOTOSYSTEM I REACTION CENTRE SUBUNIT X PRECURSOR (LIGHT-HARVESTING COMPLEX I 7 KD PROTEIN) (PSI-K) gi 539055 pir A48527 photosystem I protein psaK precursor - barley gi 304220 (L12707) photosystem I PSI-K subunit [Hordeum vulgare]		

Seq. No.	34695	Seq. ID	OJ990528_32.9922.C7
Gene No.	71683	Strand	-
Start	14402	End	14912
Name	OJ990528_32.9922.C7.o1.tc	Method	TBLASTX:Cress
Start	14420	End	14828
GI	none	Score	226
Exons	14420..14644, 14481..14645, 14760..14828		

Seq. No.	34695	Seq. ID	OJ990528_32.9922.C7
Gene No.	71683	Strand	-
Start	14402	End	14912
Name	OJ990528_32.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	14420	End	14843

GI	none	Score	213
Exons	14420..14644, 14481..14645, 14760..14843, 14767..14802		
Seq. No.	34696	Seq. ID	OJ990528_32.9922.C8
Gene No.	71684	Strand	+
Start	749	End	1226
Name	OJ990528_32.9922.C8.o1.gp	Method	AAT/GAP
Start	749	End	1226
GI	16447_1.R1084	Score	887
Exons	749..1226		
GI Descrip.	'5042437/gb AC007789.1 AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	34696	Seq. ID	OJ990528_32.9922.C8
Gene No.	71685	Strand	-
Start	1076	End	3667
Name	OJ990528_32.9922.C8.o2.tm	Method	TBLASTX:Maize
Start	799	End	2049
GI	none	Score	42
Exons	799..831, 822..887, 844..906, 934..957, 934..948, 1076..1258, 1077..1253, 1091..1258, 1317..1529, 1357..1491, 1606..1644, 1606..1644, 1983..2048, 1987..2049		

Seq. No.	34696	Seq. ID	OJ990528_32.9922.C8
Gene No.	71685	Strand	-
Start	1076	End	3667
Name	OJ990528_32.9922.C8.o1.tc	Method	TBLASTX:Cress
Start	1068	End	1479
GI	none	Score	135
Exons	1068..1259, 1074..1244, 1076..1258, 1317..1478, 1353..1478, 1357..1479		

Seq. No.	34696	Seq. ID	OJ990528_32.9922.C8
Gene No.	71685	Strand	-
Start	1076	End	3667
Name	OJ990528_32.9922.C8.o1.gs	Method	GENSCAN
Start	1076	End	3508
GI	none	Score	.92
Exons	1076..1252, 1989..2047, 2271..2402, 2548..2703, 3099..3280, 3370..3508		

Seq. No.	34696	Seq. ID	OJ990528_32.9922.C8
Gene No.	71685	Strand	-
Start	1076	End	3667
Name	OJ990528_32.9922.C8.o1.np	Method	AAT/NAP
Start	1079	End	3667
GI	3132477	Score	1059
Exons	1079..1252, 1359..1490, 1610..1671, 1962..2047, 2271..2402, 2548..2703, 3099..3280, 3370..3551, 3595..3667		
GI Descrip.	(AC003096) unknown protein [Arabidopsis thaliana]		

Seq. No.	34696	Seq. ID	OJ990528_32.9922.C8
Gene No.	71685	Strand	-
Start	1076	End	3667
Name	OJ990528_32.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	1341	End	3205
GI	none	Score	104

Exons 1341..1481, 1350..1481, 1604..1645, 1983..2048, 1987..2049,
2272..2418, 2273..2428, 2531..2683, 2532..2705, 2546..2713,
2640..2705, 3097..3204, 3098..3205

Seq. No.	34696	Seq. ID	OJ990528_32.9922.C8
Gene No.	71685	Strand	-
Start	1076	End	3667
Name	OJ990528_32.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	2305	End	3667
GI	none	Score	88
Exons	2305..2388, 2334..2402, 2335..2403, 2335..2418, 2534..2722, 2546..2713, 3097..3279, 3098..3280, 3098..3280, 3099..3281, 3368..3511, 3369..3515, 3369..3521, 3370..3516, 3578..3667, 3598..3663, 3605..3667		

Seq. No.	34696	Seq. ID	OJ990528_32.9922.C8
Gene No.	71685	Strand	-
Start	1076	End	3667
Name	OJ990528_32.9922.C8.o2.gp	Method	AAT/GAP
Start	3487	End	3667
GI	428085	Score	154

Exons 3487..3508, 3597..3667
GI Descrip. 3132477.1.0e-24 (AC003096). unknown protein [Arabidopsis thaliana]

Seq. No.	34697	Seq. ID	OJ990428_31.9924.C1
Gene No.	71686	Strand	+
Start	1	End	629
Name	OJ990428_31.9924.C1.o1.np	Method	AAT/NAP
Start	1	End	629
GI	5734789	Score	300

Exons 1..629
GI Descrip. (AC007980) Hypothetical protein [Arabidopsis thaliana]

Seq. No.	34697	Seq. ID	OJ990428_31.9924.C1
Gene No.	71686	Strand	+
Start	1	End	629
Name	OJ990428_31.9924.C1.o1.tc	Method	TBLASTX:Crèss
Start	1	End	557
GI	none	Score	42
Exons	1..54, 174..350, 218..289, 222..347, 411..557		

Seq. No.	34697	Seq. ID	OJ990428_31.9924.C1
Gene No.	71686	Strand	+
Start	1	End	629
Name	OJ990428_31.9924.C1.o1.tm	Method	TBLASTX:Maize
Start	2	End	286
GI	none	Score	101
Exons	2..73, 3..92, 86..181, 87..185, 173..286, 174..284		

Seq. No.	34697	Seq. ID	OJ990428_31.9924.C1
Gene No.	71686	Strand	+
Start	1	End	629
Name	OJ990428_31.9924.C1.o1.gs	Method	GENSCAN
Start	69	End	620
GI	none	Score	.96
Exons	69..620		

Seq. No.	34698	Seq. ID	OJ990428_31.9924.C2
Gene No.	71687	Strand	+
Start	255	End	1197
Name	OJ990428_31.9924.C2.o1.gs	Method	GENSCAN
Start	255	End	1197
GI	none	Score	.89
Exons	255..324, 820..1048, 1116..1197		

Seq. No.	34698	Seq. ID	OJ990428_31.9924.C2
Gene No.	71688	Strand	-
Start	917	End	1224
Name	OJ990428_31.9924.C2.o1.ts	Method	TBLASTX:Soybean
Start	904	End	1223
GI	none	Score	104
Exons	904..930, 905..1033, 915..1031, 915..1040, 916..1032, 1076..1222, 1083..1223		

Seq. No.	34698	Seq. ID	OJ990428_31.9924.C2
Gene No.	71688	Strand	-
Start	917	End	1224
Name	OJ990428_31.9924.C2.o1.tc	Method	TBLASTX:Cress
Start	908	End	1222
GI	none	Score	101
Exons	908..1033, 915..1025, 1079..1222, 1083..1220		

Seq. No.	34698	Seq. ID	OJ990428_31.9924.C2
Gene No.	71688	Strand	-
Start	917	End	1224
Name	OJ990428_31.9924.C2.o1.tm	Method	TBLASTX:Maize
Start	914	End	1222
GI	none	Score	90
Exons	914..1027, 915..1031, 916..1041, 1076..1222, 1080..1220		

Seq. No.	34698	Seq. ID	OJ990428_31.9924.C2
Gene No.	71688	Strand	-
Start	917	End	1224
Name	OJ990428_31.9924.C2.o1.np	Method	AAT/NAP
Start	917	End	1224
GI	6721108	Score	316
Exons	917..1224		
GI Descrip.	(AC007396) T4O12.16 [Arabidopsis thaliana]		

Seq. No.	34699	Seq. ID	OJ990428_31.9924.C3
Gene No.	71689	Strand	-
Start	1	End	407
Name	OJ990428_31.9924.C3.o1.np	Method	AAT/NAP
Start	1	End	393
GI	3540196	Score	284
Exons	1..106, 193..393		
GI Descrip.	(AC004260) Putative amp-binding protein [Arabidopsis thaliana]		

Seq. No.	34699	Seq. ID	OJ990428_31.9924.C3
Gene No.	71689	Strand	-
Start	1	End	407
Name	OJ990428_31.9924.C3.o1.tm	Method	TBLASTX:Maize
Start	2	End	407

GI	none	Score	139
Exons	2..145, 2..106, 184..219, 191..253, 220..393, 221..394, 360..407		

Seq. No.	34699	Seq. ID	OJ990428_31.9924.C3
Gene No.	71689	Strand	-
Start	1	End	407
Name	OJ990428_31.9924.C3.ol.ts	Method	TBLASTX:Soybean
Start	2	End	394
GI	none	Score	92
Exons	2..112, 3..107, 220..393, 221..394		

Seq. No.	34699	Seq. ID	OJ990428_31.9924.C3
Gene No.	71689	Strand	-
Start	1	End	407
Name	OJ990428_31.9924.C3.ol.tc	Method	TBLASTX:Cress
Start	5	End	393
GI	none	Score	73
Exons	5..106, 6..107, 184..222, 217..393, 221..364		

Seq. No.	34699	Seq. ID	OJ990428_31.9924.C3
Gene No.	71689	Strand	-
Start	1	End	407
Name	OJ990428_31.9924.C3.ol.gs	Method	GENSCAN
Start	193	End	393
GI	none	Score	.66
Exons	193..393		

Seq. No.	34700	Seq. ID	OJ990428_31.9924.C6
Gene No.	71690	Strand	-
Start	1	End	281
Name	OJ990428_31.9924.C6.ol.np	Method	AAT/NAP
Start	1	End	281
GI	3170525	Score	257
Exons	1..281		
GI Descrip.	(AF054615) cellulase [Fragaria x ananassa]		

Seq. No.	34700	Seq. ID	OJ990428_31.9924.C6
Gene No.	71690	Strand	-
Start	1	End	281
Name	OJ990428_31.9924.C6.ol.tc	Method	TBLASTX:Cress
Start	1	End	281
GI	none	Score	49
Exons	1..45, 3..68, 66..281, 76..162, 205..264		

Seq. No.	34700	Seq. ID	OJ990428_31.9924.C6
Gene No.	71690	Strand	-
Start	1	End	281
Name	OJ990428_31.9924.C6.ol.ts	Method	TBLASTX:Soybean
Start	3	End	281
GI	none	Score	72
Exons	3..80, 75..281, 82..162		

Seq. No.	34700	Seq. ID	OJ990428_31.9924.C6
Gene No.	71690	Strand	-
Start	1	End	281
Name	OJ990428_31.9924.C6.ol.gs	Method	GENSCAN
Start	16	End	215

GI	none	Score	.57
Exons	16..215		
Seq. No.	34700	Seq. ID	OJ990428_31.9924.C6
Gene No.	71690	Strand	-
Start	1	End	281
Name	OJ990428_31.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	108	End	278
GI	none	Score	126
Exons	108..278, 109..261		
Seq. No.	34701	Seq. ID	OJ990428_31.9924.C7
Gene No.	71691	Strand	-
Start	208	End	630
Name	OJ990428_31.9924.C7.o1.gs	Method	GENSCAN
Start	208	End	630
GI	none	Score	.43
Exons	208..630		
Seq. No.	34702	Seq. ID	OJ990428_31.9924.C9
Gene No.	71692	Strand	+
Start	74	End	186
Name	OJ990428_31.9924.C9.o1.gp	Method	AAT/GAP
Start	74	End	186
GI	none	Score	184
Exons	74..186		
Seq. No.	34702	Seq. ID	OJ990428_31.9924.C9
Gene No.	71692	Strand	+
Start	74	End	186
Name	OJ990428_31.9924.C9.o1.gs	Method	GENSCAN
Start	77	End	178
GI	none	Score	.4
Exons	77..178		
Seq. No.	34703	Seq. ID	OJ990428_31.9924.C10
Gene No.	71693	Strand	-
Start	170	End	217
Name	OJ990428_31.9924.C10.o1.gs	Method	GENSCAN
Start	170	End	217
GI	none	Score	.93
Exons	170..217		
Seq. No.	34704	Seq. ID	OJ990428_31.9924.C14
Gene No.	71694	Strand	+
Start	190	End	459
Name	OJ990428_31.9924.C14.o1.np	Method	AAT/NAP
Start	190	End	459
GI	2702268	Score	216
Exons	190..459		
GI Descrip.	(AC003033) putative glucanase [Arabidopsis thaliana]		
Seq. No.	34704	Seq. ID	OJ990428_31.9924.C14
Gene No.	71694	Strand	+
Start	190	End	459
Name	OJ990428_31.9924.C14.o1.gs	Method	GENSCAN
Start	195	End	419

GI	none	Score	.86
Exons	195..419		
Seq. No.	34704	Seq. ID	OJ990428_31.9924.C14
Gene No.	71694	Strand	+
Start	190	End	459
Name	OJ990428_31.9924.C14.ol.ts	Method	TBLASTX:Soybean
Start	204	End	422
GI	none	Score	292
Exons	204..422, 206..421		
Seq. No.	34704	Seq. ID	OJ990428_31.9924.C14
Gene No.	71694	Strand	+
Start	190	End	459
Name	OJ990428_31.9924.C14.ol.tc	Method	TBLASTX:Cress
Start	206	End	422
GI	none	Score	233
Exons	206..313, 207..422, 350..391		
Seq. No.	34704	Seq. ID	OJ990428_31.9924.C14
Gene No.	71694	Strand	+
Start	190	End	459
Name	OJ990428_31.9924.C14.ol.tm	Method	TBLASTX:Maize
Start	206	End	422
GI	none	Score	205
Exons	206..394, 207..422		
Seq. No.	34705	Seq. ID	OJ990428_31.9924.C15
Gene No.	71695	Strand	+
Start	19	End	182
Name	OJ990428_31.9924.C15.ol.gs	Method	GENSCAN
Start	19	End	182
GI	none	Score	.76
Exons	19..182		
Seq. No.	34706	Seq. ID	OJ990428_31.9924.C18
Gene No.	71696	Strand	+
Start	534	End	615
Name	OJ990428_31.9924.C18.ol.gs	Method	GENSCAN
Start	534	End	615
GI	none	Score	.73
Exons	534..615		
Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71697	Strand	+
Start	5259	End	9755
Name	OJ990428_31.9924.C21.ol.np	Method	AAT/NAP
Start	5259	End	9755
GI	4680179	Score	5318
Exons	5259..6321, 6355..9755		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71698	Strand	+
Start	11963	End	13533
Name	OJ990428_31.9924.C21.o4.gp	Method	AAT/GAP
Start	11785	End	12166

GI	uC-osflcyp033a04b1	Score	691
Exons	11785..12166		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71698	Strand	+
Start	11963	End	13533
Name	OJ990428_31.9924.C21.o2.gs	Method	GENSCAN
Start	11963	End	13533
GI	none	Score	.54
Exons	11963..12034, 12871..13533		

Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71699	Strand	+
Start	14418	End	21423
Name	OJ990428_31.9924.C21.o2.np	Method	AAT/NAP
Start	14418	End	21423
GI	5091513	Score	1843
Exons	14418..14709, 17182..17702, 17746..18610, 19364..20145, 20903..21049, 21204..21423		

GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71699	Strand	+
Start	14418	End	21423
Name	OJ990428_31.9924.C21.o5.gp	Method	AAT/GAP
Start	15493	End	15874
GI	uC-osflcyp033a04b1	Score	647
Exons	15493..15874		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71700	Strand	-
Start	1667	End	1972
Name	OJ990428_31.9924.C21.o1.gp	Method	AAT/GAP
Start	1667	End	1972
GI	61605_3.R1084	Score	458
Exons	1667..1972		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71701	Strand	-
Start	2494	End	2928
Name	OJ990428_31.9924.C21.o2.gp	Method	AAT/GAP
Start	2494	End	2928
GI	2428185	Score	572
Exons	2494..2928		
GI Descrip.	5852170/emb AL117265.1 OST17804 1.0e-177 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71702	Strand	-
Start	2951	End	3680
Name	OJ990428_31.9924.C21.o3.gp	Method	AAT/GAP

Start	2951	End	3680
GI	101153.1.R1084	Score	448
Exons	2951..3174, 3646..3680		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71703	Strand	-
Start	14349	End	14768
Name	OJ990428_31.9924.C21.o3.gs	Method	GENSCAN
Start	14349	End	14768
GI	none	Score	1
Exons	14349..14768		

Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71704	Strand	-
Start	23325	End	24112
Name	OJ990428_31.9924.C21.o3.np	Method	AAT/NAP
Start	23325	End	24112
GI	1184100	Score	77
Exons	23325..23821, 24068..24112		
GI Descrip.	(U45958) pistil extensin-like protein [Nicotiana glauca]		

Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71705	Strand	-
Start	25022	End	25508
Name	OJ990428_31.9924.C21.o6.gs	Method	GENSCAN
Start	25022	End	25508
GI	none	Score	.98
Exons	25022..25053, 25388..25508		

Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273
Name	OJ990428_31.9924.C21.o7.tw	Method	TBLASTX:Wheat
Start	5489	End	5849
GI	none	Score	278
Exons	5489..5848, 5490..5849		

Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273
Name	OJ990428_31.9924.C21.o7.tm	Method	TBLASTX:Maize
Start	6346	End	6699
GI	none	Score	188
Exons	6346..6699		

Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273
Name	OJ990428_31.9924.C21.o8.tw	Method	TBLASTX:Wheat
Start	6382	End	6804
GI	none	Score	164
Exons	6382..6591, 6438..6590, 6636..6749, 6637..6804		

Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-

Start	25481	End	26273
Name	OJ990428_31.9924.C21.o4.tw	Method	TBLASTX:Wheat
Start	6919	End	7401
GI	none	Score	52
Exons	6919..6969, 7023..7358, 7024..7401		
Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273
Name	OJ990428_31.9924.C21.o6.tm	Method	TBLASTX:Maize
Start	6931	End	7220
GI	none	Score	269
Exons	6931..7218, 7029..7220		
Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273
Name	OJ990428_31.9924.C21.o3.tm	Method	TBLASTX:Maize
Start	7288	End	7779
GI	none	Score	167
Exons	7288..7467, 7296..7442, 7474..7779, 7539..7667, 7695..7745		
Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273
Name	OJ990428_31.9924.C21.o1.ts	Method	TBLASTX:Soybean
Start	7342	End	7737
GI	none	Score	57
Exons	7342..7374, 7344..7373, 7378..7737, 7380..7418, 7446..7736		
Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273
Name	OJ990428_31.9924.C21.o5.tw	Method	TBLASTX:Wheat
Start	7450	End	7752
GI	none	Score	378
Exons	7450..7752, 7452..7736, 7453..7746		
Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273
Name	OJ990428_31.9924.C21.o3.tw	Method	TBLASTX:Wheat
Start	7753	End	8175
GI	none	Score	575
Exons	7753..8175, 7785..8174		
Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273
Name	OJ990428_31.9924.C21.o2.tm	Method	TBLASTX:Maize
Start	7824	End	8187
GI	none	Score	482
Exons	7824..8174, 7825..8178, 7825..8187		
Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273

Name	OJ990428_31.9924.C21.o2.tw	Method	TBLASTX:Wheat
Start	8178	End	8745
GI	none	Score	646
Exons	8178..8744, 8209..8745		
Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273
Name	OJ990428_31.9924.C21.o1.tc	Method	TBLASTX:Cress
Start	8452	End	8769
GI	none	Score	89
Exons	8452..8625, 8626..8769, 8628..8768		
Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273
Name	OJ990428_31.9924.C21.o2.ts	Method	TBLASTX:Soybean
Start	8533	End	8793
GI	none	Score	295
Exons	8533..8793, 8538..8792		
Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273
Name	OJ990428_31.9924.C21.o4.tm	Method	TBLASTX:Maize
Start	8591	End	8883
GI	none	Score	86
Exons	8591..8758, 8592..8879, 8593..8883		
Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273
Name	OJ990428_31.9924.C21.o1.tw	Method	TBLASTX:Wheat
Start	8752	End	13266
GI	none	Score	693
Exons	8752..9378, 8808..9266, 9124..9375, 12868..13266, 12877..12981, 12882..13154, 13141..13263		
Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273
Name	OJ990428_31.9924.C21.o1.tm	Method	TBLASTX:Maize
Start	8932	End	13419
GI	none	Score	231
Exons	8932..9093, 8940..9086, 9091..9531, 9093..9515, 9253..9516, 12868..12981, 12885..12974, 12979..13419, 12981..13403, 13141..13404		
Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273
Name	OJ990428_31.9924.C21.o6.tw	Method	TBLASTX:Wheat
Start	9378	End	13599
GI	none	Score	325
Exons	9378..9647, 9379..9711, 9382..9690, 13266..13535, 13267..13599, 13270..13578		

Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273
Name	OJ990428_31.9924.C21.o5.tm	Method	TBLASTX:Maize
Start	25386	End	25711
GI	none	Score	55
Exons	25386..25448, 25386..25454, 25387..25482, 25437..25508, 25453..25503, 25574..25711, 25575..25709		

Seq. No.	34707	Seq. ID	OJ990428_31.9924.C21
Gene No.	71706	Strand	-
Start	25481	End	26273
Name	OJ990428_31.9924.C21.o4.np	Method	AAT/NAP
Start	25481	End	26273
GI	3152595	Score	181
Exons	25481..25748, 26163..26273		
GI Descrip.	(AC002986) Similar to D. melanogaster sno gene gb U95760. EST gb N97148 and gb Z26221 come from this gene. [Arabidopsis thaliana]		

Seq. No.	34708	Seq. ID	OJ990428_31.9924.C22
Gene No.	71707	Strand	-
Start	295	End	830
Name	OJ990428_31.9924.C22.o1.tm	Method	TBLASTX:Maize
Start	294	End	619
GI	none	Score	175
Exons	294..416, 295..417, 295..420, 296..421, 490..615, 503..613, 506..619, 508..615		

Seq. No.	34708	Seq. ID	OJ990428_31.9924.C22
Gene No.	71707	Strand	-
Start	295	End	830
Name	OJ990428_31.9924.C22.o1.np	Method	AAT/NAP
Start	295	End	830
GI	3152595	Score	195
Exons	295..418, 504..615, 792..830		
GI Descrip.	(AC002986) Similar to D. melanogaster sno gene gb U95760. EST gb N97148 and gb Z26221 come from this gene. [Arabidopsis thaliana]		

Seq. No.	34708	Seq. ID	OJ990428_31.9924.C22
Gene No.	71707	Strand	-
Start	295	End	830
Name	OJ990428_31.9924.C22.o1.gs	Method	GENSCAN
Start	295	End	418
GI	none	Score	.93
Exons	295..418		

Seq. No.	34709	Seq. ID	OJ990428_31.9924.C23
Gene No.	71708	Strand	+
Start	2790	End	3974
Name	OJ990428_31.9924.C23.o2.gs	Method	GENSCAN
Start	2790	End	3974
GI	none	Score	.55
Exons	2790..3005, 3900..3974		

Seq. No.	34709	Seq. ID	OJ990428_31.9924.C23
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Gene No.	71709	Strand	+
Start	9533	End	10341
Name	OJ990428_31.9924.C23.o4.gs	Method	GENSCAN
Start	9533	End	10341
GI	none	Score	.77
Exons	9533..9625, 10240..10269, 10324..10341		

Seq. No.	34709	Seq. ID	OJ990428_31.9924.C23
Gene No.	71710	Strand	-
Start	1	End	2238
Name	OJ990428_31.9924.C23.o1.np	Method	AAT/NAP
Start	1	End	1347
GI	2914700	Score	353
Exons	1..259, 1202..1347		
GI Descrip.	(AC003974) 26S proteasome regulatory subunit [Arabidopsis thaliana]		

Seq. No.	34709	Seq. ID	OJ990428_31.9924.C23
Gene No.	71710	Strand	-
Start	1	End	2238
Name	OJ990428_31.9924.C23.o1.gs	Method	GENSCAN
Start	90	End	2238
GI	none	Score	84
Exons	90..259, 1202..1739, 2094..2238		

Seq. No.	34709	Seq. ID	OJ990428_31.9924.C23
Gene No.	71711	Strand	-
Start	4819	End	8999
Name	OJ990428_31.9924.C23.o3.gs	Method	GENSCAN
Start	4819	End	8987
GI	none	Score	.96
Exons	4819..5625, 5870..6200, 8641..8987		

Seq. No.	34709	Seq. ID	OJ990428_31.9924.C23
Gene No.	71711	Strand	-
Start	4819	End	8999
Name	OJ990428_31.9924.C23.o2.np	Method	AAT/NAP
Start	4843	End	8999
GI	6223646	Score	1132
Exons	4843..5612, 5855..6200, 8641..8999		
GI Descrip.	(AC011698) putative beta-1,3-glucanase [Arabidopsis thaliana]		

Seq. No.	34709	Seq. ID	OJ990428_31.9924.C23
Gene No.	71712	Strand	-
Start	11778	End	13053
Name	OJ990428_31.9924.C23.o3.tc	Method	TBLASTX:Cress
Start	61	End	1335
GI	none	Score	66
Exons	61..246, 94..249, 231..263, 1213..1335		

Seq. No.	34709	Seq. ID	OJ990428_31.9924.C23
Gene No.	71712	Strand	-
Start	11778	End	13053
Name	OJ990428_31.9924.C23.o4.ts	Method	TBLASTX:Soybean
Start	61	End	1398
GI	none	Score	73
Exons	61..246, 94..249, 1213..1398		

Seq. No.	34709	Seq. ID	OJ990428_31.9924.C23
Gene No.	71712	Strand	-
Start	11778	End	13053
Name	OJ990428_31.9924.C23.o2.tc	Method	TBLASTX:Cress
Start	4889	End	5146
GI	none	Score	139
Exons	4889..5146, 4924..5145		

Seq. No.	34709	Seq. ID	OJ990428_31.9924.C23
Gene No.	71712	Strand	-
Start	11778	End	13053
Name	OJ990428_31.9924.C23.o1.ts	Method	TBLASTX:Soybean
Start	4903	End	5218
GI	none	Score	184
Exons	4903..5217, 4925..5218		

Seq. No.	34709	Seq. ID	OJ990428_31.9924.C23
Gene No.	71712	Strand	-
Start	11778	End	13053
Name	OJ990428_31.9924.C23.o1.tm	Method	TBLASTX:Maize
Start	4924	End	6008
GI	none	Score	230
Exons	4924..5226, 4949..5218, 5065..5226, 5263..5628, 5276..5626, 5547..5627, 5870..6007, 5913..6008		

Seq. No.	34709	Seq. ID	OJ990428_31.9924.C23
Gene No.	71712	Strand	-
Start	11778	End	13053
Name	OJ990428_31.9924.C23.o2.ts	Method	TBLASTX:Soybean
Start	5339	End	5583
GI	none	Score	205
Exons	5339..5575, 5341..5583		

Seq. No.	34709	Seq. ID	OJ990428_31.9924.C23
Gene No.	71712	Strand	-
Start	11778	End	13053
Name	OJ990428_31.9924.C23.o1.tc	Method	TBLASTX:Cress
Start	5542	End	6224
GI	none	Score	80
Exons	5542..5625, 5873..5926, 5924..6025, 5925..6026, 6002..6202, 6042..6224		

Seq. No.	34709	Seq. ID	OJ990428_31.9924.C23
Gene No.	71712	Strand	-
Start	11778	End	13053
Name	OJ990428_31.9924.C23.o3.ts	Method	TBLASTX:Soybean
Start	5955	End	8907
GI	none	Score	179
Exons	5955..6224, 5957..6202, 8641..8907, 8652..8906		

Seq. No.	34709	Seq. ID	OJ990428_31.9924.C23
Gene No.	71712	Strand	-
Start	11778	End	13053
Name	OJ990428_31.9924.C23.o2.tm	Method	TBLASTX:Maize
Start	6068	End	8904
GI	none	Score	122

Exons	6068..6202, 6069..6212, 8640..8903, 8641..8904		
Seq. No.	34709	Seq. ID	OJ990428_31.9924.C23
Gene No.	71712	Strand	-
Start	11778	End	13053
Name	OJ990428_31.9924.C23.o4.tc	Method	TBLASTX:Cress
Start	8658	End	8912
GI	none	Score	141
Exons	8658..8912, 8668..8904		
Seq. No.	34709	Seq. ID	OJ990428_31.9924.C23
Gene No.	71712	Strand	-
Start	11778	End	13053
Name	OJ990428_31.9924.C23.o5.gs	Method	GENSCAN
Start	11778	End	13053
GI	none	Score	.77
Exons	11778..11907, 12970..13053		
Seq. No.	34710	Seq. ID	OJ990428_31.9924.C24
Gene No.	71713	Strand	+
Start	3732	End	7833
Name	OJ990428_31.9924.C24.o3.np	Method	AAT/NAP
Start	3174	End	7833
GI	1708137	Score	114
Exons	3174..3195, 6050..6174, 6665..6762, 7635..7833		
GI Descrip.	POTENTIAL HEME-BINDING PROTEIN gi 2147497 pir S73153 hypothetical protein 10.- Porphyra purpurea chloroplast gi 1276698 (U38804) hypothetical chloroplast ORF 10. [Porphyra purpurea]		
Seq. No.	34710	Seq. ID	OJ990428_31.9924.C24
Gene No.	71713	Strand	+
Start	3732	End	7833
Name	OJ990428_31.9924.C24.o2.gs	Method	GENSCAN
Start	3732	End	5919
GI	none	Score	.96
Exons	3732..3925, 4241..4826, 5420..5505, 5742..5919		
Seq. No.	34710	Seq. ID	OJ990428_31.9924.C24
Gene No.	71713	Strand	+
Start	3732	End	7833
Name	OJ990428_31.9924.C24.o2.np	Method	AAT/NAP
Start	3841	End	5916
GI	2980762	Score	443
Exons	3841..3949, 4327..4826, 5420..5505, 5742..5916		
GI Descrip.	(AL022198) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	34710	Seq. ID	OJ990428_31.9924.C24
Gene No.	71713	Strand	+
Start	3732	End	7833
Name	OJ990428_31.9924.C24.o1.gp	Method	AAT/GAP
Start	7103	End	7616
GI	none	Score	963
Exons	7103..7616		
Seq. No.	34710	Seq. ID	OJ990428_31.9924.C24
Gene No.	71714	Strand	-

Start 57
 Name OJ990428_31.9924.C24.o1.gs
 Start 57
 GI none
 Exons 57..323, 478..555, 567..878

End 878
 Method GENSCAN
 End 878
 Score .68

Seq. No. 34710
 Gene No. 71714
 Start 57
 Name OJ990428_31.9924.C24.o2.tm
 Start 481
 GI none
 Exons 481..570, 573..803

Seq. ID OJ990428_31.9924.C24
 Strand -
 End 878
 Method TBLASTX:Maize
 End 803
 Score 162

Seq. No. 34710
 Gene No. 71715
 Start 4545
 Name OJ990428_31.9924.C24.o1.tm
 Start 4545
 GI none
 Exons 4545..4625, 4547..4627, 4630..4827, 4665..4826, 4688..4834, 4688..4837, 4698..4856, 5419..5508, 5420..5506, 5420..5512, 5737..5916, 5739..5921, 5740..5922, 6061..6156, 6064..6153

Seq. ID OJ990428_31.9924.C24
 Strand
 End 6156
 Method TBLASTX:Maize
 End 6156
 Score 125

Seq. No. 34710
 Gene No. 71715
 Start 4545
 Name OJ990428_31.9924.C24.o1.ts
 Start 5755
 GI none
 Exons 5755..5922, 5755..5913, 5819..5920, 6061..6141

Seq. ID OJ990428_31.9924.C24
 Strand
 End 6156
 Method TBLASTX:Soybean
 End 6141
 Score 188

Seq. No. 34710
 Gene No. 71716
 Start 7636
 Name OJ990428_31.9924.C24.o3.tm
 Start 7636
 GI none
 Exons 7636..7677, 7638..7676, 7669..7773, 7680..7772

Seq. ID OJ990428_31.9924.C24
 Strand
 End 7773
 Method TBLASTX:Maize
 End 7773
 Score 71

Seq. No. 34711
 Gene No. 71717
 Start 3899
 Name OJ990428_31.9924.C26.o2.gs
 Start 3899
 GI none
 Exons 3899..3981, 4209..4302, 4527..4747, 4764..4934, 5188..5289, 5898..5949, 7199..7435

Seq. ID OJ990428_31.9924.C26
 Strand +
 End 7435
 Method GENSCAN
 End 7435
 Score .73

Seq. No. 34711
 Gene No. 71718
 Start 9175
 Name OJ990428_31.9924.C26.o2.np
 Start 9121
 CI 3152595
 Exons 9121..9186, 9220..9693, 10873..10941, 11075..11248, 11337..11467, 11590..11666, 18249..18274

Seq. ID OJ990428_31.9924.C26
 Strand +
 End 18274
 Method AAT/NAP
 End 18274
 Score 908

GI Descrip. (AC002986) Similar to D. melanogaster sno gene gb|U95760. EST gb|N97148 and gb|Z26221 come from this gene. [Arabidopsis thaliana]

Seq. No.	34711	Seq. ID	OJ990428_31.9924.C26
Gene No.	71718	Strand	+
Start	9175	End	18274
Name	OJ990428_31.9924.C26.o4.gs	Method	GENSCAN
Start	9175	End	11948
GI	none	Score	.71
Exons	9175..9783, 10876..10941, 11075..11248, 11337..11467, 11590..11666, 11845..11948		

Seq. No.	34711	Seq. ID	OJ990428_31.9924.C26
Gene No.	71718	Strand	+
Start	9175	End	18274
Name	OJ990428_31.9924.C26.o1.gp	Method	AAT/GAP
Start	14469	End	14574
GI	LIB3477-003-P1-K1-E9	Score	129
Exons	14469..14574		

GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S.1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s.1 [Oryza sativa]'

Seq. No.	34711	Seq. ID	OJ990428_31.9924.C26
Gene No.	71719	Strand	-
Start	1	End	2662
Name	OJ990428_31.9924.C26.o1.np	Method	AAT/NAP
Start	1	End	2502
GI	4206306	Score	1097
Exons	1..2502		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	34711	Seq. ID	OJ990428_31.9924.C26
Gene No.	71719	Strand	-
Start	1	End	2662
Name	OJ990428_31.9924.C26.o1.gs	Method	GENSCAN
Start	19	End	2662
GI	none	Score	.94
Exons	19..2209, 2227..2348, 2483..2662		

Seq. No.	34711	Seq. ID	OJ990428_31.9924.C26
Gene No.	71720	Strand	-
Start	8309	End	8695
Name	OJ990428_31.9924.C26.o4.ts	Method	TBLASTX:Soybean
Start	34	End	342
GI	none	Score	72
Exons	34..342, 124..237		

Seq. No.	34711	Seq. ID	OJ990428_31.9924.C26
Gene No.	71720	Strand	-
Start	8309	End	8695
Name	OJ990428_31.9924.C26.o3.tw	Method	TBLASTX:Wheat
Start	763	End	1162
GI	none	Score	42
Exons	763..1032, 815..916, 953..1033, 1072..1161, 1073..1162		

Seq. No.	34711	Seq. ID	OJ990428_31.9924.C26
Gene No.	71720	Strand	-
Start	8309	End	8695
Name	OJ990428_31.9924.C26.o2.ts	Method	TBLASTX:Soybean
Start	794	End	1207
GI	none	Score	139
Exons	794..1048, 796..1047, 1069..1206, 1073..1207		

Seq. No.	34711	Seq. ID	OJ990428_31.9924.C26
Gene No.	71720	Strand	-
Start	8309	End	8695
Name	OJ990428_31.9924.C26.o3.ts	Method	TBLASTX:Soybean
Start	1357	End	1827
GI	none	Score	83
Exons	1357..1545, 1364..1501, 1546..1827, 1565..1789		

Seq. No.	34711	Seq. ID	OJ990428_31.9924.C26
Gene No.	71720	Strand	-
Start	8309	End	8695
Name	OJ990428_31.9924.C26.o2.tw	Method	TBLASTX:Wheat
Start	1444	End	1824
GI	none	Score	191
Exons	1444..1545, 1507..1824		

Seq. No.	34711	Seq. ID	OJ990428_31.9924.C26
Gene No.	71720	Strand	-
Start	8309	End	8695
Name	OJ990428_31.9924.C26.o1.tm	Method	TBLASTX:Maize
Start	1513	End	1974
GI	none	Score	283
Exons	1513..1974, 1514..1972, 1693..1974		

Seq. No.	34711	Seq. ID	OJ990428_31.9924.C26
Gene No.	71720	Strand	-
Start	8309	End	8695
Name	OJ990428_31.9924.C26.o1.tw	Method	TBLASTX:Wheat
Start	1843	End	2249
GI	none	Score	266
Exons	1843..2187, 1844..2176, 1846..2202, 2160..2249, 2193..2249		

Seq. No.	34711	Seq. ID	OJ990428_31.9924.C26
Gene No.	71720	Strand	-
Start	8309	End	8695
Name	OJ990428_31.9924.C26.o2.tm	Method	TBLASTX:Maize
Start	1975	End	2193
GI	none	Score	205
Exons	1975..2193, 1976..2176, 1993..2193		

Seq. No.	34711	Seq. ID	OJ990428_31.9924.C26
Gene No.	71720	Strand	-
Start	8309	End	8695
Name	OJ990428_31.9924.C26.o5.ts	Method	TBLASTX:Soybean
Start	2044	End	2400
GI	none	Score	67
Exons	2044..2178, 2193..2399, 2221..2400		

Seq. No.	34711	Seq. ID	OJ990428_31.9924.C26
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Gene No.	71720	Strand	-
Start	8309	End	8695
Name	OJ990428_31.9924.C26.o3.gs	Method	GENSCAN
Start	8309	End	8695
GI	none	Score	.99
Exons	8309..8401, 8492..8695		

Seq. No.	34711	Seq. ID	OJ990428_31.9924.C26
Gene No.	71721	Strand	
Start	11101	End	11681
Name	OJ990428_31.9924.C26.o1.ts	Method	TBLASTX:Soybean
Start	11101	End	11681
GI	none	Score	198
Exons	11101..11247, 11102..11248, 11105..11251, 11330..11443, 11334..11468, 11336..11467, 11571..11681, 11594..11665		

Seq. No.	34712	Seq. ID	OJ990428_31.9924.C27
Gene No.	71722	Strand	+
Start	1	End	2985
Name	OJ990428_31.9924.C27.o1.np	Method	AAT/NAP
Start	1	End	2985
GI	3152595	Score	454
Exons	1..38, 178..369, 492..569, 2116..2249, 2953..2985		
GI Descrip.	(AC002986) Similar to D. melanogaster sno gene gb U95760. EST gb N97148 and gb Z26221 come from this gene. [Arabidopsis thaliana]		

Seq. No.	34712	Seq. ID	OJ990428_31.9924.C27
Gene No.	71723	Strand	-
Start	861	End	2313
Name	OJ990428_31.9924.C27.o2.gs	Method	GENSCAN
Start	861	End	2313
GI	none	Score	.67
Exons	861..1330, 2104..2204, 2294..2313		

Seq. No.	34713	Seq. ID	OJ990428_31.9924.C28
Gene No.	71724	Strand	+
Start	841	End	3284
Name	OJ990428_31.9924.C28.o1.np	Method	AAT/NAP
Start	841	End	2775
GI	3152595	Score	538
Exons	841..911, 1102..1183, 1384..1512, 1751..1894, 2343..2445, 2629..2775		
GI Descrip.	(AC002986) Similar to D. melanogaster sno gene gb U95760. EST gb N97148 and gb Z26221 come from this gene. [Arabidopsis thaliana]		

Seq. No.	34713	Seq. ID	OJ990428_31.9924.C28
Gene No.	71724	Strand	+
Start	841	End	3284
Name	OJ990428_31.9924.C28.o1.gs	Method	GENSCAN
Start	851	End	3284
GI	none	Score	.79
Exons	851..911, 1102..1183, 1384..1512, 1751..1894, 2343..2445, 2626..2754, 3186..3284		

Seq. No.	34713	Seq. ID	OJ990428_31.9924.C28
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Gene No.	71724	Strand	+
Start	841	End	3284
Name	OJ990428_31.9924.C28.o1.tm	Method	TBLASTX:Maize
Start	1480	End	2755
GI	none	Score	69
Exons	1480..1527, 1747..1881, 1748..1894, 1750..1995, 2339..2446, 2340..2447, 2343..2447, 2347..2448, 2625..2747, 2625..2705, 2657..2755		

Seq. No.	34714	Seq. ID	OJ990428_31.9924.C29
Gene No.	71725	Strand	+
Start	1	End	3473
Name	OJ990428_31.9924.C29.o1.np	Method	AAT/NAP
Start	1	End	3473
GI	3152595	Score	338
Exons	1..72, 1035..1110, 1507..1679, 1769..1862, 3094..3243, 3447..3473		
GI Descrip.	(AC002986) Similar to D. melanogaster sno gene gb U95760. EST gb N97148 and gb Z26221 come from this gene. [Arabidopsis thaliana]		

Seq. No.	34714	Seq. ID	OJ990428_31.9924.C29
Gene No.	71725	Strand	+
Start	1	End	3473
Name	OJ990428_31.9924.C29.o1.gs	Method	GENSCAN
Start	182	End	3191
GI	none	Score	.7
Exons	182..309, 823..854, 1040..1110, 1491..1582, 1769..1862, 3094..3191		

Seq. No.	34714	Seq. ID	OJ990428_31.9924.C29
Gene No.	71725	Strand	+
Start	1	End	3473
Name	OJ990428_31.9924.C29.o1.tm	Method	TBLASTX:Maize
Start	1027	End	1853
GI	none	Score	76
Exons	1027..1110, 1038..1115, 1509..1610, 1510..1680, 1545..1682, 1549..1680, 1766..1852, 1767..1853		

Seq. No.	34714	Seq. ID	OJ990428_31.9924.C29
Gene No.	71725	Strand	+
Start	1	End	3473
Name	OJ990428_31.9924.C29.o1.ts	Method	TBLASTX:Soybean
Start	1461	End	1859
GI	none	Score	157
Exons	1461..1616, 1507..1680, 1597..1680, 1766..1858, 1767..1859		

Seq. No.	34715	Seq. ID	OJ990428_31.9924.C30
Gene No.	71726	Strand	+
Start	476	End	744
Name	OJ990428_31.9924.C30.o1.np	Method	AAT/NAP
Start	476	End	744
GI	2498930	Score	112
Exons	476..539, 707..744		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	34715	Seq. ID	OJ990428_31.9924.C30
Gene No.	71726	Strand	+
Start	476	End	744
Name	OJ990428_31.9924.C30.o1.gs	Method	GENSCAN
Start	480	End	539
GI	none	Score	.85
Exons	480..539		

Seq. No.	34716	Seq. ID	OJ990428_31.9924.C31
Gene No.	71727	Strand	+
Start	3461	End	6939
Name	OJ990428_31.9924.C31.o2.gs	Method	GENSCAN
Start	3461	End	6109
GI	none	Score	.99
Exons	3461..3655, 3905..4090, 4213..4302, 4955..5039, 5430..5596, 5921..6109		

Seq. No.	34716	Seq. ID	OJ990428_31.9924.C31
Gene No.	71727	Strand	+
Start	3461	End	6939
Name	OJ990428_31.9924.C31.o2.np	Method	AAT/NAP
Start	3461	End	6939
GI	3688598	Score	969
Exons	3461..3655, 3905..4090, 4213..4297, 4415..4617, 4955..5039, 5430..5596, 5921..6109, 6854..6939		
GI Descrip.	(AB009029) Cycloartenol Synthase [Panax ginseng]		

Seq. No.	34716	Seq. ID	OJ990428_31.9924.C31
Gene No.	71728	Strand	-
Start	1	End	5620
Name	OJ990428_31.9924.C31.o1.np	Method	AAT/NAP
Start	1	End	5620
GI	4680179	Score	2237
Exons	1..130, 819..2460, 5580..5620		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	34716	Seq. ID	OJ990428_31.9924.C31
Gene No.	71728	Strand	-
Start	1	End	5620
Name	OJ990428_31.9924.C31.o1.gs	Method	GENSCAN
Start	739	End	2442
GI	none	Score	.99
Exons	739..2442		

Seq. No.	34716	Seq. ID	OJ990428_31.9924.C31
Gene No.	71729	Strand	-
Start	6660	End	6939
Name	OJ990428_31.9924.C31.o2.tm	Method	TBLASTX:Maize
Start	817	End	1101
GI	none	Score	187
Exons	817..1101, 830..1090		

Seq. No.	34716	Seq. ID	OJ990428_31.9924.C31
Gene No.	71729	Strand	-
Start	6660	End	6939
Name	OJ990428_31.9924.C31.o4.tw	Method	TBLASTX:Wheat
Start	817	End	1060

GI	none	Score	153
Exons	817..1059, 824..1060, 830..1060		
Seq. No.	34716	Seq. ID	OJ990428_31.9924.C31
Gene No.	71729	Strand	-
Start	6660	End	6939
Name	OJ990428_31.9924.C31.o3.ts	Method	TBLASTX:Soybean
Start	1018	End	1278
GI	none	Score	141
Exons	1018..1278, 1019..1273		
Seq. No.	34716	Seq. ID	OJ990428_31.9924.C31
Gene No.	71729	Strand	-
Start	6660	End	6939
Name	OJ990428_31.9924.C31.o1.tw	Method	TBLASTX:Wheat
Start	1066	End	1602
GI	none	Score	322
Exons	1066..1602, 1067..1546		
Seq. No.	34716	Seq. ID	OJ990428_31.9924.C31
Gene No.	71729	Strand	-
Start	6660	End	6939
Name	OJ990428_31.9924.C31.o4.tm	Method	TBLASTX:Maize
Start	1102	End	1416
GI	none	Score	102
Exons	1102..1416, 1103..1306, 1252..1389		
Seq. No.	34716	Seq. ID	OJ990428_31.9924.C31
Gene No.	71729	Strand	-
Start	6660	End	6939
Name	OJ990428_31.9924.C31.o1.tm	Method	TBLASTX:Maize
Start	1624	End	1987
GI	none	Score	160
Exons	1624..1986, 1627..1986, 1628..1987		
Seq. No.	34716	Seq. ID	OJ990428_31.9924.C31
Gene No.	71729	Strand	-
Start	6660	End	6939
Name	OJ990428_31.9924.C31.o2.tw	Method	TBLASTX:Wheat
Start	1633	End	2058
GI	none	Score	247
Exons	1633..1995, 1633..2058, 1637..2026		
Seq. No.	34716	Seq. ID	OJ990428_31.9924.C31
Gene No.	71729	Strand	-
Start	6660	End	6939
Name	OJ990428_31.9924.C31.o5.ts	Method	TBLASTX:Soybean
Start	1807	End	2052
GI	none	Score	62
Exons	1807..2052, 1922..2035		
Seq. No.	34716	Seq. ID	OJ990428_31.9924.C31
Gene No.	71729	Strand	-
Start	6660	End	6939
Name	OJ990428_31.9924.C31.o3.tm	Method	TBLASTX:Maize
Start	1993	End	2340
GI	none	Score	153

Exons 1993..2340, 1994..2248

Seq. No. 34716
Gene No. 71729
Start 6660
Name OJ990428_31.9924.C31.o3.tw
Start 2059
GI none
Exons 2059..2361, 2066..2359

Seq. ID OJ990428_31.9924.C31
Strand -
End 6939
Method TBLASTX:Wheat
End 2361
Score 298

Seq. No. 34716
Gene No. 71729
Start 6660
Name OJ990428_31.9924.C31.o1.ts
Start 2074
GI none
Exons 2074..2433, 2075..2365, 2396..2431

Seq. ID OJ990428_31.9924.C31
Strand -
End 6939
Method TBLASTX:Soybean
End 2433
Score 234

Seq. No. 34716
Gene No. 71729
Start 6660
Name OJ990428_31.9924.C31.o2.ts
Start 3457
GI none
Exons 3457..3558, 3458..3658, 3899..4093, 3901..4074, 4213..4302, 4414..4620, 4419..4619, 4954..5007, 4955..5005

Seq. ID OJ990428_31.9924.C31
Strand -
End 6939
Method TBLASTX:Soybean
End 5007
Score 164

Seq. No. 34716
Gene No. 71729
Start 6660
Name OJ990428_31.9924.C31.o1.tc
Start 3491
GI none
Exons 3491..3676, 3899..4093, 4015..4074, 4213..4302, 4408..4533, 4416..4490, 4546..4620

Seq. ID OJ990428_31.9924.C31
Strand -
End 6939
Method TBLASTX:Cress
End 4620
Score 112

Seq. No. 34716
Gene No. 71729
Start 6660
Name OJ990428_31.9924.C31.o5.tm
Start 3899
GI none
Exons 3899..4075, 3904..4074, 4212..4289, 4213..4302, 4414..4527, 4419..4499, 4522..4590, 4522..4590

Seq. ID OJ990428_31.9924.C31
Strand -
End 6939
Method TBLASTX:Maize
End 4590
Score 140

Seq. No. 34716
Gene No. 71729
Start 6660
Name OJ990428_31.9924.C31.o5.tw
Start 4417
GI none
Exons 4417..4596, 4417..4590, 4427..4591, 4952..4996, 4953..4991

Seq. ID OJ990428_31.9924.C31
Strand -
End 6939
Method TBLASTX:Wheat
End 4996
Score 256

Seq. No. 34716
Gene No. 71729
Start 6660
Name OJ990428_31.9924.C31.o2.tc

Seq. ID OJ990428_31.9924.C31
Strand -
End 6939
Method TBLASTX:Cress

Start	4949	End	6937
GI	none	Score	129
Exons	4949..5050, 4954..5046, 5420..5596, 5428..5598, 5446..5604, 5917..6009, 5921..6127, 6059..6112, 6851..6937		

Seq. No.	34716	Seq. ID	OJ990428_31.9924.C31
Gene No.	71729	Strand	-
Start	6660	End	6939
Name	OJ990428_31.9924.C31.o6.tm	Method	TBLASTX:Maize
Start	4949	End	6937
GI	none	Score	123
Exons	4949..5050, 4954..5046, 5411..5596, 5428..5598, 5443..5601, 5921..6112, 6851..6937		

Seq. No.	34716	Seq. ID	OJ990428_31.9924.C31
Gene No.	71729	Strand	-
Start	6660	End	6939
Name	OJ990428_31.9924.C31.o4.ts	Method	TBLASTX:Soybean
Start	5411	End	6937
GI	none	Score	210
Exons	5411..5596, 5428..5598, 5443..5604, 5921..6127, 6851..6937		

Seq. No.	34716	Seq. ID	OJ990428_31.9924.C31
Gene No.	71729	Strand	-
Start	6660	End	6939
Name	OJ990428_31.9924.C31.o1.gp	Method	AAT/GAP
Start	6660	End	6939
GI	uC-osflcyp120a10b1	Score	148
Exons	6660..6685, 6852..6939		
GI Descrip.	'6045135/dbj BAA85267.1 9.0e-45 (AB033335) oxidosqualene cyclase [Luffa cylindrica]'		

Seq. No.	34717	Seq. ID	OJ990428_31.9924.C32
Gene No.	71730	Strand	+
Start	1	End	2814
Name	OJ990428_31.9924.C32.o1.gp	Method	AAT/GAP
Start	1	End	167
GI	uC-osflcyp120a10b1	Score	148
Exons	1..24, 104..167		
GI Descrip.	'6045135/dbj BAA85267.1 9.0e-45 (AB033335) oxidosqualene cyclase [Luffa cylindrica]'		

Seq. No.	34717	Seq. ID	OJ990428_31.9924.C32
Gene No.	71730	Strand	+
Start	1	End	2814
Name	OJ990428_31.9924.C32.o1.np	Method	AAT/NAP
Start	1	End	2814
GI	6045135	Score	502
Exons	1..24, 104..226, 731..829, 1249..1305, 1785..1831, 1904..2047, 2541..2814		
GI Descrip.	(AB033335) oxidosqualene cyclase [Luffa cylindrica]		

Seq. No.	34717	Seq. ID	OJ990428_31.9924.C32
Gene No.	71730	Strand	+
Start	1	End	2814
Name	OJ990428_31.9924.C32.o1.tc	Method	TBLASTX:Cress
Start	101	End	2721

GI	none	Score	132
Exons	101..235, 113..223, 1240..1308, 1878..1907, 1898..2017, 1905..2048, 1907..2047, 1995..2048, 2532..2582, 2540..2593, 2540..2587, 2542..2721, 2544..2609, 2643..2720		

Seq. No.	34717	Seq. ID	OJ990428_31.9924.C32
Gene No.	71730	Strand	+
Start	1	End	2814
Name	OJ990428_31.9924.C32.o1.tm	Method	TBLASTX:Maize
Start	101	End	2721
GI	none	Score	103
Exons	101..226, 1234..1308, 1905..2048, 1910..2050, 2541..2696, 2545..2721		

Seq. No.	34717	Seq. ID	OJ990428_31.9924.C32
Gene No.	71730	Strand	+
Start	1	End	2814
Name	OJ990428_31.9924.C32.o1.gs	Method	GENSCAN
Start	1272	End	2647
GI	none	Score	.84
Exons	1272..1305, 1876..2047, 2541..2647		

Seq. No.	34717	Seq. ID	OJ990428_31.9924.C32
Gene No.	71730	Strand	+
Start	1	End	2814
Name	OJ990428_31.9924.C32.o2.gp	Method	AAT/GAP
Start	1776	End	2717
GI	uC-osflcyp019g03b1	Score	644
Exons	1776..1831, 1904..2047, 2541..2717		
GI Descrip.	'6045135/dbj BAA85267.1 5.0e-40 (AB033335) oxidosqualene cyclase [Luffa cylindrica]'		

Seq. No.	34717	Seq. ID	OJ990428_31.9924.C32
Gene No.	71730	Strand	+
Start	1	End	2814
Name	OJ990428_31.9924.C32.o1.ts	Method	TBLASTX:Soybean
Start	2001	End	2777
GI	none	Score	65
Exons	2001..2048, 2540..2701, 2542..2721, 2634..2777		

Seq. No.	34717	Seq. ID	OJ990428_31.9924.C32
Gene No.	71730	Strand	+
Start	1	End	2814
Name	OJ990428_31.9924.C32.o1.tw	Method	TBLASTX:Wheat
Start	2021	End	2718
GI	none	Score	272
Exons	2021..2050, 2541..2717, 2542..2718		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71731	Strand	+
Start	1	End	268
Name	OJ990428_31.9924.C33.o1.gp	Method	AAT/GAP
Start	1	End	268
GI	uC-osflm202002g05b1	Score	532
Exons	1..268		
GI Descrip.	'6045133/dbj BAA85266.1 1.0e-11 (AB033334) cycloartenol synthase [Luffa cylindrica]'		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71732	Strand	+
Start	5929	End	10901
Name	OJ990428_31.9924.C33.o2.gp	Method	AAT/GAP
Start	5929	End	10340
GI	29435_1.R1084	Score	2712
Exons	5929..6206, 6725..7702, 10164..10340		
GI Descrip.	'4337195/gb AAD18109 1.0e-112 (AC006403) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71732	Strand	+
Start	5929	End	10901
Name	OJ990428_31.9924.C33.o2.gs	Method	GENSCAN
Start	6789	End	10503
GI	none	Score	.88
Exons	6789..7702, 10164..10503		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71732	Strand	+
Start	5929	End	10901
Name	OJ990428_31.9924.C33.o3.np	Method	AAT/NAP
Start	6789	End	10500
GI	4337195	Score	1486
Exons	6789..7702, 10164..10500		
GI Descrip.	(AC006403) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71732	Strand	+
Start	5929	End	10901
Name	OJ990428_31.9924.C33.o3.gp	Method	AAT/GAP
Start	10383	End	10901
GI	none	Score	1002
Exons	10383..10901		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o5.np	Method	AAT/NAP
Start	1	End	15653
GI	5922634	Score	124
Exons	1..98, 15521..15653		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016867 dbj BAA85210.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o1.gs	Method	GENSCAN
Start	971	End	6296
GI	none	Score	.59
Exons	971..3112, 3175..3485, 3724..3818, 3941..4174, 5403..5594, 6019..6296		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
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Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o1.np	Method	AAT/NAP
Start	1289	End	3091
GI	2792220	Score	723
Exons	1289..1478, 1557..3091		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		
Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o4.ts	Method	TBLASTX:Soybean
Start	1556	End	2429
GI	none	Score	133
Exons	1556..1681, 1622..1798, 1688..1795, 2072..2428, 2073..2429		
Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o4.tm	Method	TBLASTX:Maize
Start	2153	End	2449
GI	none	Score	81
Exons	2153..2449, 2171..2422		
Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o1.tm	Method	TBLASTX:Maize
Start	6779	End	10573
GI	none	Score	46
Exons	6779..6856, 6781..6843, 6789..6857, 6821..6976, 6822..6947, 6831..7001, 6851..6982, 6957..7286, 6967..7602, 6989..7702, 6996..7727, 7265..7717, 7712..7735, 10164..10514, 10165..10506, 10350..10514, 10515..10571, 10517..10573		
Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o3.tw	Method	TBLASTX:Wheat
Start	6782	End	7157
GI	none	Score	57
Exons	6782..6850, 6783..6851, 6822..6929, 6846..6947, 6862..6972, 6918..7157, 6941..7024, 6948..7025, 7108..7131		
Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o1.ts	Method	TBLASTX:Soybean
Start	6866	End	10347
GI	none	Score	123
Exons	6866..7021, 6867..7028, 6873..7028, 7046..7228, 7047..7727, 7050..7289, 7325..7717, 7374..7718, 7383..7433, 7386..7433, 7391..7435, 10164..10334, 10165..10329, 10165..10347		
Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189

Name	OJ990428_31.9924.C33.o3.tc	Method	TBLASTX:Cress
Start	6920	End	7316
GI	none	Score	377
Exons	6920..7003, 7005..7316, 7052..7228		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o1.tc	Method	TBLASTX:Cress
Start	7320	End	10562
GI	none	Score	109
Exons	7320..7403, 7325..7399, 7400..7717, 7404..7727, 10165..10200, 10165..10197, 10212..10391, 10212..10562, 10216..10557		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o2.tw	Method	TBLASTX:Wheat
Start	7422	End	10431
GI	none	Score	205
Exons	7422..7661, 7659..7703, 10165..10431, 10182..10232, 10290..10391		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o5.ts	Method	TBLASTX:Soybean
Start	10347	End	10517
GI	none	Score	210
Exons	10347..10517, 10348..10503		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o3.gs	Method	GENSCAN
Start	11101	End	17189
GI	none	Score	.7
Exons	11101..11267, 11846..12089, 12247..12459, 12614..13099, 13211..13278, 13400..13727, 13770..13846, 14185..14356, 14433..14503, 14821..14908, 15189..15309, 17143..17189		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o4.gp	Method	AAT/GAP
Start	11421	End	12779
GI	5334_1.R1084	Score	1996
Exons	11421..12113, 12247..12459, 12614..12779		
GI Descrip.	'4204265 5.0e-70 (AC005223) 45643 [Arabidopsis thaliana]'		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o2.tm	Method	TBLASTX:Maize
Start	11741	End	13486
GI	none	Score	44
Exons	11741..11773, 11750..11812, 11783..11926, 11838..12029, 11839..11934, 11940..12128, 11941..12114, 11958..12116,		

12211..12468, 12246..12467, 12593..13039, 12609..13013,
 12612..13040, 12910..13023, 13004..13099, 13014..13100,
 13014..13100, 13188..13256, 13211..13279, 13212..13280,
 13213..13287, 13386..13484, 13387..13485, 13400..13486

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o2.tc	Method	TBLASTX:Cress
Start	11943	End	12925
GI	none	Score	144
Exons	11943..12128, 12241..12468, 12247..12474, 12296..12481, 12326..12472, 12590..12823, 12609..12824, 12878..12925		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o2.ts	Method	TBLASTX:Soybean
Start	11949	End	12487
GI	none	Score	158
Exons	11949..12128, 12244..12459, 12244..12468, 12246..12467, 12299..12487		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o4.np	Method	AAT/NAP
Start	11949	End	15311
GI	4204265	Score	629
Exons	11949..12113, 12247..12459, 12614..12966, 15291..15311		
GI Descrip.	(AC005223) 45643 [Arabidopsis thaliana]		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o1.tw	Method	TBLASTX:Wheat
Start	11963	End	12468
GI	none	Score	73
Exons	11963..12097, 11982..12116, 11982..12128, 12211..12468, 12296..12466		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o3.ts	Method	TBLASTX:Soybean
Start	12590	End	13043
GI	none	Score	163
Exons	12590..12856, 12609..12824, 12830..12955, 12996..13043		

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o5.gp	Method	AAT/GAP
Start	13064	End	15309
GI	25369_1.R1084	Score	1418
Exons	13064..13099, 13211..13278, 13400..13697, 13770..13846, 14185..14356, 14433..14503, 15189..15309		

GI Descrip. '6015437/dbj|AB008112.1|AB008112 4.0e-09 Homo sapiens PEX1 mRNA, complete cds'

Seq. No.	34718	Seq. ID	OJ990428_31.9924.C33
Gene No.	71733	Strand	-
Start	1	End	17189
Name	OJ990428_31.9924.C33.o3.tm	Method	TBLASTX:Maize
Start	13524	End	14505
GI	none	Score	111
Exons	13524..13610, 13525..13611, 13526..13612, 13526..13624, 13600..13698, 13600..13695, 13613..13696, 13614..13697, 13765..13854, 13770..13853, 14177..14236, 14181..14243, 14185..14244, 14234..14347, 14236..14352, 14238..14339, 14336..14362, 14424..14504, 14446..14505		

Seq. No.	34719	Seq. ID	OJ990428_30.9922.C2
Gene No.	71734	Strand	-
Start	7	End	168
Name	OJ990428_30.9922.C2.o1.gs	Method	GENSCAN
Start	7	End	168
GI	none	Score	.78
Exons	7..168		

Seq. No.	34720	Seq. ID	OJ990428_30.9922.C3
Gene No.	71735	Strand	+
Start	271	End	1782
Name	OJ990428_30.9922.C3.o1.gs	Method	GENSCAN
Start	271	End	1782
GI	none	Score	.46
Exons	271..322, 447..550, 759..881, 1015..1101, 1268..1453, 1684..1782		

Seq. No.	34720	Seq. ID	OJ990428_30.9922.C3
Gene No.	71736	Strand	-
Start	4189	End	12805
Name	OJ990428_30.9922.C3.o2.gs	Method	GENSCAN
Start	4189	End	12805
GI	none	Score	.5
Exons	4189..4225, 5792..6000, 8086..8347, 8431..8836, 10141..10247, 11156..11179, 12006..12124, 12713..12805		

Seq. No.	34720	Seq. ID	OJ990428_30.9922.C3
Gene No.	71736	Strand	-
Start	4189	End	12805
Name	OJ990428_30.9922.C3.o2.gp	Method	AAT/GAP
Start	5083	End	12549
GI	12954_1.R1084	Score	3001
Exons	5083..5422, 5792..6000, 8086..8347, 8431..8927, 9535..9602, 10141..10247, 11156..11179, 12471..12549		

GI Descrip. '4646206/gb|AAD26879.1|AC007230 13 0.0e+00 (AC007230) Contains similarity to gb_D13630 KIAA0005 gene from Homo sapiens. ESTs gb_T45345, gb_T21086, gb_R90360, gb_T20468, gb_T45191 and gb_A1100459 come from this gene. [Arabidopsis thaliana]'

Seq. No.	34720	Seq. ID	OJ990428_30.9922.C3
Gene No.	71736	Strand	-
Start	4189	End	12805
Name	OJ990428_30.9922.C3.o1.tm	Method	TBLASTX:Maize

Start	5328	End	10249
GI	none	Score	264
Exons	5328..5426, 5721..6002, 5786..6001, 5791..6003, 5792..6004, 8066..8353, 8078..8335, 8082..8351, 8083..8352, 8410..8844, 8426..8878, 8426..8878, 8430..8879, 8433..8879, 8872..8916, 8873..8917, 8877..8930, 8884..8928, 9528..9602, 9532..9603, 9534..9605, 10129..10248, 10142..10249, 10142..10246		
Seq. No.	34720	Seq. ID	OJ990428_30.9922.C3
Gene No.	71736	Strand	-
Start	4189	End	12805
Name	OJ990428_30.9922.C3.o3.np	Method	AAT/NAP
Start	5359	End	11232
GI	4646206	Score	1500
Exons	5359..5422, 5792..6000, 8086..8347, 8431..8927, 9535..9603, 10142..10247, 11156..11232		
GI Descrip.	(AC007230) Contains similarity to gb D13630 KIAA0005 gene from Homo sapiens. ESTs gb T45345, gb T21086, gb R90360, gb T20468, gb T45191 and gb AI100459 come from this gene. [Arabidopsis thaliana]		

Seq. No.	34720	Seq. ID	OJ990428_30.9922.C3
Gene No.	71736	Strand	-
Start	4189	End	12805
Name	OJ990428_30.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	5383	End	10239
GI	none	Score	135
Exons	5383..5424, 5781..5933, 5788..5952, 5791..5958, 5792..5959, 5953..6003, 8063..8134, 8083..8136, 8134..8157, 8173..8277, 8174..8308, 8251..8361, 8276..8356, 8419..8832, 8457..8834, 8463..8837, 8477..8863, 8841..8876, 8877..8927, 8890..8928, 9538..9573, 9577..9603, 10118..10219, 10201..10239		

Seq. No.	34720	Seq. ID	OJ990428_30.9922.C3
Gene No.	71736	Strand	-
Start	4189	End	12805
Name	OJ990428_30.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	5830	End	8510
GI	none	Score	235
Exons	5830..5931, 5956..5997, 8092..8352, 8099..8353, 8430..8510, 8431..8508		

Seq. No.	34720	Seq. ID	OJ990428_30.9922.C3
Gene No.	71736	Strand	-
Start	4189	End	12805
Name	OJ990428_30.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	8541	End	8722
GI	none	Score	228
Exons	8541..8720, 8541..8720, 8542..8721, 8546..8722		

Seq. No.	34720	Seq. ID	OJ990428_30.9922.C3
Gene No.	71736	Strand	-
Start	4189	End	12805
Name	OJ990428_30.9922.C3.o2.tc	Method	TBLASTX:Cress
Start	8651	End	10249
GI	none	Score	53
Exons	8651..8707, 8655..8720, 8658..8708, 8725..8874, 8726..8875,		

8727..8879, 8728..8844, 8875..8928, 8876..8929, 8877..8933,
8877..8930, 9532..9603, 9533..9604, 9534..9605, 10142..10249,
10142..10246

Seq. No.	34721	Seq. ID	OJ990428_30.9922.C4
Gene No.	71737	Strand	+
Start	2285	End	5244
Name	OJ990428_30.9922.C4.o1.np	Method	AAT/NAP
Start	2285	End	5244
GI	5902444	Score	3966
Exons	2285..5244		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	34721	Seq. ID	OJ990428_30.9922.C4
Gene No.	71737	Strand	+
Start	2285	End	5244
Name	OJ990428_30.9922.C4.o2.tw	Method	TBLASTX:Wheat
Start	3601	End	4002
GI	none	Score	198
Exons	3601..4002		

Seq. No.	34721	Seq. ID	OJ990428_30.9922.C4
Gene No.	71737	Strand	+
Start	2285	End	5244
Name	OJ990428_30.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	4581	End	5038
GI	none	Score	147
Exons	4581..4757, 4800..5036, 4802..5038		

Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71738	Strand	+
Start	46	End	5144
Name	OJ990428_30.9922.C5.o1.gs	Method	GENSCAN
Start	46	End	5144
GI	none	Score	.84
Exons	46..152, 450..473, 3256..3313, 3864..4001, 4428..4586, 4981..5144		

Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71739	Strand	+
Start	6897	End	9773
Name	OJ990428_30.9922.C5.o1.np	Method	AAT/NAP
Start	6678	End	9773
GI	5902445	Score	4967
Exons	6678..9773		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71739	Strand	+
Start	6897	End	9773
Name	OJ990428_30.9922.C5.o3.gs	Method	GENSCAN
Start	6897	End	9704
GI	none	Score	.79
Exons	6897..6968, 7176..8240, 8328..9704		

Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71740	Strand	-

Start	5304	End	6362
Name	OJ990428_30.9922.C5.o2.gs	Method	GENSCAN
Start	5304	End	6362
GI	none	Score	.79
Exons	5304..5332, 5571..5666, 5759..5948, 6101..6249, 6287..6362		

Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71741	Strand	-
Start	10102	End	13035
Name	OJ990428_30.9922.C5.o4.tw	Method	TBLASTX:Wheat
Start	5354	End	9035
GI	none	Score	405
Exons	5354..5389, 5403..5441, 8648..8959, 8649..9035, 8850..9035		

Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71741	Strand	-
Start	10102	End	13035
Name	OJ990428_30.9922.C5.o6.tw	Method	TBLASTX:Wheat
Start	6674	End	6978
GI	none	Score	328
Exons	6674..6976, 6675..6977, 6741..6977, 6814..6978		

Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71741	Strand	-
Start	10102	End	13035
Name	OJ990428_30.9922.C5.o3.tm	Method	TBLASTX:Maize
Start	6753	End	7103
GI	none	Score	354
Exons	6753..7103, 6794..7099		

Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71741	Strand	-
Start	10102	End	13035
Name	OJ990428_30.9922.C5.o1.tw	Method	TBLASTX:Wheat
Start	6978	End	7397
GI	none	Score	447
Exons	6978..7397, 6980..7396		

Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71741	Strand	-
Start	10102	End	13035
Name	OJ990428_30.9922.C5.o1.ts	Method	TBLASTX:Soybean
Start	7242	End	7673
GI	none	Score	302
Exons	7242..7673, 7289..7639		

Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71741	Strand	-
Start	10102	End	13035
Name	OJ990428_30.9922.C5.o2.tm	Method	TBLASTX:Maize
Start	7341	End	7784
GI	none	Score	272
Exons	7341..7595, 7373..7594, 7623..7760, 7629..7748, 7758..7784		

Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71741	Strand	-
Start	10102	End	13035

Name	OJ990428_30.9922.C5.o3.tw	Method	TBLASTX:Wheat
Start	7439	End	7871
GI	none	Score	426
Exons	7439..7651, 7443..7871		
Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71741	Strand	-
Start	10102	End	13035
Name	OJ990428_30.9922.C5.o2.ts	Method	TBLASTX:Soybean
Start	7907	End	8287
GI	none	Score	132
Exons	7907..8113, 7908..8114, 8163..8285, 8168..8287		
Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71741	Strand	-
Start	10102	End	13035
Name	OJ990428_30.9922.C5.o5.tw	Method	TBLASTX:Wheat
Start	7908	End	8321
GI	none	Score	383
Exons	7908..8321, 7913..8254		
Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71741	Strand	-
Start	10102	End	13035
Name	OJ990428_30.9922.C5.o8.tw	Method	TBLASTX:Wheat
Start	8346	End	8645
GI	none	Score	129
Exons	8346..8480, 8379..8519, 8380..8493, 8547..8645		
Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71741	Strand	-
Start	10102	End	13035
Name	OJ990428_30.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	8642	End	8972
GI	none	Score	419
Exons	8642..8971, 8643..8972		
Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71741	Strand	-
Start	10102	End	13035
Name	OJ990428_30.9922.C5.o5.tm	Method	TBLASTX:Maize
Start	9107	End	9380
GI	none	Score	90
Exons	9107..9214, 9108..9206, 9197..9271, 9201..9284, 9294..9380		
Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71741	Strand	-
Start	10102	End	13035
Name	OJ990428_30.9922.C5.o2.tw	Method	TBLASTX:Wheat
Start	9150	End	9764
GI	none	Score	375
Exons	9150..9641, 9170..9238, 9305..9412, 9627..9764		
Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71741	Strand	-
Start	10102	End	13035
Name	OJ990428_30.9922.C5.o4.tm	Method	TBLASTX:Maize

Start	9471	End	9725
GI	none	Score	170
Exons	9471..9644, 9584..9643, 9623..9724, 9624..9725		

Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71741	Strand	-
Start	10102	End	13035
Name	OJ990428_30.9922.C5.o4.gs	Method	GENSCAN
Start	10102	End	13035
GI	none	Score	.65
Exons	10102..10356, 10425..10555, 10807..11050, 11376..11563, 11594..11694, 11777..12097, 12251..13035		

Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71741	Strand	-
Start	10102	End	13035
Name	OJ990428_30.9922.C5.o2.np	Method	AAT/NAP
Start	10105	End	13035
GI	6691716	Score	2633
Exons	10105..10555, 10630..10745, 10896..10996, 11071..11258, 11336..11517, 11594..11694, 11777..11973, 12161..13035		

GI Descrip. (AP000492) hypothetical protein [Oryza sativa]
gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein
[Oryza sativa]

Seq. No.	34722	Seq. ID	OJ990428_30.9922.C5
Gene No.	71741	Strand	-
Start	10102	End	13035
Name	OJ990428_30.9922.C5.o7.tw	Method	TBLASTX:Wheat
Start	12625	End	12915
GI	none	Score	201
Exons	12625..12915		

Seq. No.	34723	Seq. ID	OJ990428_30.9922.C6
Gene No.	71742	Strand	-
Start	5	End	434
Name	OJ990428_30.9922.C6.o1.gs	Method	GENSCAN
Start	5	End	434
GI	none	Score	.66
Exons	5..12, 419..434		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71743	Strand	+
Start	767	End	1148
Name	OJ990428_30.9922.C8.o1.gp	Method	AAT/GAP
Start	767	End	1148
GI	uC-osflcyp033a04b1	Score	651
Exons	767..1148		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71744	Strand	+
Start	3091	End	7572
Name	OJ990428_30.9922.C8.o1.np	Method	AAT/NAP
Start	3091	End	7572
GI	4680179	Score	5197

Exons 3091..4176, 4210..7572
GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71745	Strand	+
Start	8064	End	8563
Name	OJ990428_30.9922.C8.o2.gs	Method	GENSCAN
Start	8064	End	8563
GI	none	Score	.74
Exons	8064..8131, 8167..8201, 8496..8563		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o8.tw	Method	TBLASTX:Wheat
Start	3134	End	3540
GI	none	Score	210
Exons	3134..3160, 3295..3333, 3340..3537, 3342..3536, 3364..3540		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o7.tw	Method	TBLASTX:Wheat
Start	3573	End	3924
GI	none	Score	293
Exons	3573..3767, 3574..3924		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o6.tm	Method	TBLASTX:Maize
Start	3574	End	3879
GI	none	Score	232
Exons	3574..3879, 3588..3704		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o9.tw	Method	TBLASTX:Wheat
Start	4237	End	4605
GI	none	Score	161
Exons	4237..4446, 4491..4604, 4543..4605		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o4.tw	Method	TBLASTX:Wheat
Start	4770	End	5226
GI	none	Score	52
Exons	4770..5189, 4774..4824, 4848..5000, 4879..5220, 4909..5226		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o5.tm	Method	TBLASTX:Maize
Start	4785	End	5075
GI	none	Score	51

Exons 4785..5075, 4786..4824, 4882..5073

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o4.tm	Method	TBLASTX:Maize
Start	5143	End	5604
GI	none	Score	62
Exons	5143..5190, 5179..5283, 5290..5604, 5430..5483, 5511..5561		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o1.ts	Method	TBLASTX:Soybean
Start	5194	End	5553
GI	none	Score	470
Exons	5194..5553, 5196..5231, 5277..5552		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o5.tw	Method	TBLASTX:Wheat
Start	5266	End	5568
GI	none	Score	387
Exons	5266..5568, 5277..5552		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o3.tw	Method	TBLASTX:Wheat
Start	5569	End	5994
GI	none	Score	579
Exons	5569..5994, 5601..5990, 5629..5994		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o3.ts	Method	TBLASTX:Soybean
Start	5575	End	5820
GI	none	Score	206
Exons	5575..5820, 5592..5819		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o2.tm	Method	TBLASTX:Maize
Start	5640	End	6003
GI	none	Score	457
Exons	5640..5990, 5641..5994, 5641..6003		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o2.tw	Method	TBLASTX:Wheat
Start	6025	End	6561
GI	none	Score	648
Exons	6025..6561, 6069..6560		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o1.tc	Method	TBLASTX:Cress
Start	6268	End	6585
GI	none	Score	91
Exons	6268..6441, 6444..6584, 6445..6585		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o2.ts	Method	TBLASTX:Soybean
Start	6349	End	6609
GI	none	Score	292
Exons	6349..6609, 6354..6608		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o3.tm	Method	TBLASTX:Maize
Start	6407	End	6699
GI	none	Score	85
Exons	6407..6559, 6408..6695, 6409..6699		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	6568	End	7194
GI	none	Score	692
Exons	6568..7194, 6624..7193		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	6748	End	7347
GI	none	Score	230
Exons	6748..6909, 6756..6902, 6907..7347, 6909..7331		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o6.tw	Method	TBLASTX:Wheat
Start	7194	End	7527
GI	none	Score	323
Exons	7194..7463, 7195..7527, 7198..7506		

Seq. No.	34724	Seq. ID	OJ990428_30.9922.C8
Gene No.	71746	Strand	-
Start	8928	End	9060
Name	OJ990428_30.9922.C8.o2.np	Method	AAT/NAP
Start	8928	End	9060
GI	4680186	Score	173
Exons	8928..9060		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71747	Strand	+
Start	1446	End	10491
Name	OJ990428_30.9922.C9.o1.np	Method	AAT/NAP
Start	1446	End	3795
GI	5911167	Score	2625
Exons	1446..3795		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71747	Strand	+
Start	1446	End	10491
Name	OJ990428_30.9922.C9.o1.gs	Method	GENSCAN
Start	1687	End	10491
GI	none	Score	.44
Exons	1687..1853, 2827..3008, 3125..3348, 3599..3690, 5176..5418, 5542..5748, 5826..5938, 6311..6383, 10175..10359, 10388..10491		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71748	Strand	+
Start	14895	End	19565
Name	OJ990428_30.9922.C9.o2.np	Method	AAT/NAP
Start	14895	End	19565
GI	6705984	Score	6061
Exons	14895..19565		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o7.ts	Method	TBLASTX:Soybean
Start	1843	End	2145
GI	none	Score	214
Exons	1843..2145		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o2.tc	Method	TBLASTX:Cress
Start	2203	End	2535
GI	none	Score	111
Exons	2203..2370, 2365..2502, 2377..2535		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o12.tw	Method	TBLASTX:Wheat
Start	2379	End	2621
GI	none	Score	226
Exons	2379..2621, 2380..2610		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o4.tm	Method	TBLASTX:Maize
Start	2380	End	2797

GI none Score 265
Exons 2380..2613, 2380..2616, 2388..2630, 2618..2797, 2629..2796

Seq. No. 34725 Seq. ID OJ990428_30.9922.C9
Gene No. 71749 Strand +
Start 25651 End 30195
Name OJ990428_30.9922.C9.o8.ts Method TBLASTX:Soybean
Start 2629 End 2866
GI none Score 200
Exons 2629..2811, 2633..2866

Seq. No. 34725 Seq. ID OJ990428_30.9922.C9
Gene No. 71749 Strand +
Start 25651 End 30195
Name OJ990428_30.9922.C9.o15.tm Method TBLASTX:Maize
Start 2941 End 3186
GI none Score 188
Exons 2941..3162, 3002..3166, 3021..3182, 3025..3186

Seq. No. 34725 Seq. ID OJ990428_30.9922.C9
Gene No. 71749 Strand +
Start 25651 End 30195
Name OJ990428_30.9922.C9.o6.tm Method TBLASTX:Maize
Start 3229 End 3705
GI none Score 142
Exons 3229..3372, 3285..3704, 3421..3705

Seq. No. 34725 Seq. ID OJ990428_30.9922.C9
Gene No. 71749 Strand +
Start 25651 End 30195
Name OJ990428_30.9922.C9.o6.ts Method TBLASTX:Soybean
Start 3253 End 3657
GI none Score 78
Exons 3253..3372, 3445..3657, 3525..3656

Seq. No. 34725 Seq. ID OJ990428_30.9922.C9
Gene No. 71749 Strand +
Start 25651 End 30195
Name OJ990428_30.9922.C9.o11.tw Method TBLASTX:Wheat
Start 3418 End 3771
GI none Score 253
Exons 3418..3771, 3537..3716

Seq. No. 34725 Seq. ID OJ990428_30.9922.C9
Gene No. 71749 Strand +
Start 25651 End 30195
Name OJ990428_30.9922.C9.o10.tm Method TBLASTX:Maize
Start 10939 End 11435
GI none Score 233
Exons 10939..11253, 11331..11435

Seq. No. 34725 Seq. ID OJ990428_30.9922.C9
Gene No. 71749 Strand +
Start 25651 End 30195
Name OJ990428_30.9922.C9.o4.tw Method TBLASTX:Wheat
Start 15321 End 15898
GI none Score 186

Exons	15321..15527, 15338..15529, 15339..15527, 15397..15528, 15528..15890, 15533..15898, 15534..15890, 15730..15891		
Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o11.tm	Method	TBLASTX:Maize
Start	15324	End	26142
GI	none	Score	263
Exons	15324..15560, 15324..15521, 15335..15559, 25906..26142		
Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o5.ts	Method	TBLASTX:Soybean
Start	15368	End	15764
GI	none	Score	116
Exons	15368..15502, 15369..15503, 15543..15764, 15563..15751		
Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o6.tw	Method	TBLASTX:Wheat
Start	16248	End	16730
GI	none	Score	343
Exons	16248..16523, 16260..16517, 16268..16522, 16522..16692, 16527..16703, 16536..16730		
Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o3.ts	Method	TBLASTX:Soybean
Start	16485	End	16730
GI	none	Score	293
Exons	16485..16730, 16490..16684, 16494..16724		
Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o9.tm	Method	TBLASTX:Maize
Start	16485	End	16733
GI	none	Score	293
Exons	16485..16733, 16490..16684, 16494..16724		
Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o14.tw	Method	TBLASTX:Wheat
Start	16784	End	16967
GI	none	Score	180
Exons	16784..16963, 16785..16967, 16854..16967		
Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o12.tm	Method	TBLASTX:Maize
Start	16806	End	17057

GI	none	Score	65
Exons	16806..16901, 16914..17057, 16916..17056		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o3.tw	Method	TBLASTX:Wheat
Start	17013	End	27851
GI	none	Score	375
Exons	17013..17495, 17108..17461, 27365..27808, 27369..27851, 27480..27848		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o5.tm	Method	TBLASTX:Maize
Start	17082	End	27905
GI	none	Score	393
Exons	17082..17549, 17157..17516, 17294..17518, 27434..27808, 27438..27905		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	17472	End	28183
GI	none	Score	341
Exons	17472..17831, 17591..17818, 27792..27824, 27792..27836, 27824..27853, 27828..28178, 27828..27971, 27932..28183		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o7.tw	Method	TBLASTX:Wheat
Start	17544	End	28300
GI	none	Score	301
Exons	17544..17939, 17591..17911, 27900..28190, 27900..28178, 27932..28231, 28181..28300, 28183..28299		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o8.tm	Method	TBLASTX:Maize
Start	17592	End	28267
GI	none	Score	296
Exons	17592..17915, 17633..17917, 27921..28181, 27989..28174, 28184..28267, 28237..28266		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o3.tm	Method	TBLASTX:Maize
Start	17920	End	28636
GI	none	Score	65
Exons	17920..17994, 17942..18013, 18013..18192, 18034..18276, 28274..28627, 28276..28542, 28328..28636, 28435..28632		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o2.tw	Method	TBLASTX:Wheat
Start	18036	End	28627
GI	none	Score	209
Exons	18036..18308, 18036..18308, 18037..18309, 18309..18461, 18311..18460, 18385..18462, 28388..28627, 28388..28612		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o4.ts	Method	TBLASTX:Soybean
Start	18048	End	28633
GI	none	Score	63
Exons	18048..18224, 18048..18233, 18049..18225, 18231..18299, 18232..18312, 28399..28542, 28400..28558, 28577..28633		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	18411	End	29212
GI	none	Score	432
Exons	18411..18776, 18413..18775, 28895..29068, 29069..29212, 29071..29211		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o5.tw	Method	TBLASTX:Wheat
Start	18465	End	29188
GI	none	Score	108
Exons	18465..18626, 18636..18752, 28774..28881, 28775..29188, 28790..29155, 28936..29187		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	18494	End	29266
GI	none	Score	507
Exons	18494..18838, 18495..18839, 18505..18843, 28943..29059, 29077..29262, 29078..29266		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o2.ts	Method	TBLASTX:Soybean
Start	18633	End	29236
GI	none	Score	136
Exons	18633..18800, 18635..18787, 28976..29236, 28981..29235		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o1.tw	Method	TBLASTX:Wheat

Start	18759	End	29814
GI	none	Score	315
Exons	18759..19235, 18806..19156, 29195..29617, 29197..29625, 29608..29814, 29616..29813		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	18939	End	29955
GI	none	Score	143
Exons	18939..19112, 19095..19160, 29375..29536, 29383..29529, 29534..29617, 29536..29625, 29607..29954, 29608..29955		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o13.tw	Method	TBLASTX:Wheat
Start	19236	End	19376
GI	none	Score	195
Exons	19236..19376, 19238..19366		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o7.tm	Method	TBLASTX:Maize
Start	19295	End	19541
GI	none	Score	335
Exons	19295..19540, 19296..19541		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o8.tw	Method	TBLASTX:Wheat
Start	19377	End	30182
GI	none	Score	68
Exons	19377..19460, 29815..30147, 29842..29922, 29907..30026, 30129..30182		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o3.np	Method	AAT/NAP
Start	25651	End	30192
GI	4680179	Score	7419
Exons	25651..30192		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
Gene No.	71749	Strand	+
Start	25651	End	30195
Name	OJ990428_30.9922.C9.o9.tw	Method	TBLASTX:Wheat
Start	25908	End	26271
GI	none	Score	301
Exons	25908..26012, 25912..26271, 26037..26270		

Seq. No.	34725	Seq. ID	OJ990428_30.9922.C9
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Gene No. 71749
 Start 25651
 Name OJ990428_30.9922.C9.o13.tm
 Start 26152
 GI none
 Exons 26152..26457, 26152..26406

Strand +
 End 30195
 Method TBLASTX:Maize
 End 26457
 Score 196

Seq. No. 34725
 Gene No. 71749
 Start 25651
 Name OJ990428_30.9922.C9.o10.tw
 Start 26790
 GI none
 Exons 26790..26984, 26840..26938, 27024..27206, 27050..27205

Seq. ID OJ990428_30.9922.C9
 Strand +
 End 30195
 Method TBLASTX:Wheat
 End 27206
 Score 155

Seq. No. 34725
 Gene No. 71749
 Start 25651
 Name OJ990428_30.9922.C9.o3.gs
 Start 28568
 GI none
 Exons 28568..29046, 29613..30195

Seq. ID OJ990428_30.9922.C9
 Strand +
 End 30195
 Method GENSCAN
 End 30195
 Score .62

Seq. No. 34725
 Gene No. 71749
 Start 25651
 Name OJ990428_30.9922.C9.o14.tm
 Start 29956
 GI none
 Exons 29956..30168

Seq. ID OJ990428_30.9922.C9
 Strand +
 End 30195
 Method TBLASTX:Maize
 End 30168
 Score 194

Seq. No. 34726
 Gene No. 71750
 Start 3855
 Name OJ990428_30.9922.C10.o3.gs
 Start 3855
 GI none
 Exons 3855..3914, 3968..4111, 4150..4275

Seq. ID OJ990428_30.9922.C10
 Strand +
 End 4275
 Method GENSCAN
 End 4275
 Score .67

Seq. No. 34726
 Gene No. 71751
 Start 5564
 Name OJ990428_30.9922.C10.o2.np
 Start 5564
 GI 5852182
 Exons 5564..5702, 6110..6379, 7000..7071
 GI Descrip. (AL117265) zhb0012.1 [Oryza sativa]

Seq. ID OJ990428_30.9922.C10
 Strand +
 End 7071
 Method AAT/NAP
 End 7071
 Score 113

Seq. No. 34726
 Gene No. 71752
 Start 1
 Name OJ990428_30.9922.C10.o3.np
 Start 1
 GI 5852175
 Exons 1..46, 6665..6710, 7320..7430, 7991..8029, 8631..8706
 GI Descrip. (AL117265) zhb0005.1 [Oryza sativa]

Seq. ID OJ990428_30.9922.C10
 Strand -
 End 8706
 Method AAT/NAP
 End 8706
 Score 104

Seq. No.	34726	Seq. ID	OJ990428_30.9922.C10
Gene No.	71752	Strand	-
Start	1	End	8706
Name	OJ990428_30.9922.C10.o1.gs	Method	GENSCAN
Start	7	End	2571
GI	none	Score	.48
Exons	7..386, 1085..1130, 2142..2227, 2387..2437, 2451..2571		

Seq. No.	34726	Seq. ID	OJ990428_30.9922.C10
Gene No.	71752	Strand	-
Start	1	End	8706
Name	OJ990428_30.9922.C10.o1.np	Method	AAT/NAP
Start	1041	End	8706
GI	4680183	Score	130
Exons	1041..1130, 1738..1793, 8628..8706		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	34726	Seq. ID	OJ990428_30.9922.C10
Gene No.	71752	Strand	-
Start	1	End	8706
Name	OJ990428_30.9922.C10.o2.gs	Method	GENSCAN
Start	2818	End	3290
GI	none	Score	.76
Exons	2818..3036, 3047..3259, 3282..3290		

Seq. No.	34726	Seq. ID	OJ990428_30.9922.C10
Gene No.	71752	Strand	-
Start	1	End	8706
Name	OJ990428_30.9922.C10.o4.gs	Method	GENSCAN
Start	5124	End	7552
GI	none	Score	.83
Exons	5124..5387, 6371..6548, 7515..7552		

Seq. No.	34726	Seq. ID	OJ990428_30.9922.C10
Gene No.	71752	Strand	-
Start	1	End	8706
Name	OJ990428_30.9922.C10.o5.gs	Method	GENSCAN
Start	8197	End	8660
GI	none	Score	.89
Exons	8197..8306, 8339..8407, 8473..8660		

Seq. No.	34727	Seq. ID	OJ990428_30.9922.C11
Gene No.	71753	Strand	-
Start	1	End	1014
Name	OJ990428_30.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	321
GI	6063554	Score	98
Exons	1..321		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34727	Seq. ID	OJ990428_30.9922.C11
Gene No.	71753	Strand	-
Start	1	End	1014
Name	OJ990428_30.9922.C11.o1.gs	Method	GENSCAN
Start	48	End	1014

GI	none	Score	.67
Exons	48..429, 926..1014		
Seq. No.	34728	Seq. ID	OJ990428_30.9922.C12
Gene No.	71754	Strand	+
Start	439	End	778
Name	OJ990428_30.9922.C12.o1.np	Method	AAT/NAP
Start	439	End	778
GI	6815052	Score	250
Exons	439..588, 670..778		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	34728	Seq. ID	OJ990428_30.9922.C12
Gene No.	71755	Strand	-
Start	115	End	647
Name	OJ990428_30.9922.C12.o1.gs	Method	GENSCAN
Start	115	End	647
GI	none	Score	.54
Exons	115..249, 482..647		
Seq. No.	34729	Seq. ID	OJ990428_30.9922.C13
Gene No.	71756	Strand	-
Start	13	End	366
Name	OJ990428_30.9922.C13.o1.gs	Method	GENSCAN
Start	13	End	366
GI	none	Score	.73
Exons	13..24, 69..160, 253..366		
Seq. No.	34730	Seq. ID	OJ990428_30.9922.C14
Gene No.	71757	Strand	+
Start	334	End	398
Name	OJ990428_30.9922.C14.o1.gp	Method	AAT/GAP
Start	334	End	398
GI	3760640	Score	97
Exons	334..398		
GI Descrip.	4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	34731	Seq. ID	OJ990428_30.9922.C15
Gene No.	71758	Strand	-
Start	235	End	348
Name	OJ990428_30.9922.C15.o1.gs	Method	GENSCAN
Start	235	End	348
GI	none	Score	.84
Exons	235..348		
Seq. No.	34732	Seq. ID	OJ990428_30.9922.C16
Gene No.	71759	Strand	-
Start	1	End	76
Name	OJ990428_30.9922.C16.o1.gp	Method	AAT/GAP
Start	1	End	76
GI	61605_1.R1084	Score	97
Exons	1..76		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	34733	Seq. ID	OJ990428_30.9922.C17

Gene No.	71760	Strand	+
Start	330	End	433
Name	OJ990428_30.9922.C17.o1.gs	Method	GENSCAN
Start	330	End	433
GI	none	Score	.49
Exons	330..433		

Seq. No.	34733	Seq. ID	OJ990428_30.9922.C17
Gene No.	71761	Strand	-
Start	1	End	378
Name	OJ990428_30.9922.C17.o1.np	Method	AAT/NAP
Start	1	End	378
GI	6721561	Score	81
Exons	1..26, 287..378		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34734	Seq. ID	OJ990428_30.9922.C18
Gene No.	71762	Strand	+
Start	127	End	239
Name	OJ990428_30.9922.C18.o1.gs	Method	GENSCAN
Start	127	End	239
GI	none	Score	.73
Exons	127..239		

Seq. No.	34735	Seq. ID	OJ990428_30.9922.C19
Gene No.	71763	Strand	+
Start	302	End	427
Name	OJ990428_30.9922.C19.o1.gs	Method	GENSCAN
Start	302	End	427
GI	none	Score	.76
Exons	302..427		

Seq. No.	34736	Seq. ID	OJ990428_30.9922.C22
Gene No.	71764	Strand	-
Start	27	End	332
Name	OJ990428_30.9922.C22.o1.gs	Method	GENSCAN
Start	27	End	230
GI	none	Score	.6
Exons	27..230		

Seq. No.	34736	Seq. ID	OJ990428_30.9922.C22
Gene No.	71764	Strand	-
Start	27	End	332
Name	OJ990428_30.9922.C22.o1.tm	Method	TBLASTX:Maize
Start	36	End	332
GI	none	Score	92
Exons	36..182, 207..332, 208..315		

Seq. No.	34737	Seq. ID	OJ990428_30.9922.C23
Gene No.	71765	Strand	+
Start	1	End	599
Name	OJ990428_30.9922.C23.o1.np	Method	AAT/NAP
Start	1	End	599

GI	5852178	Score	188
Exons	1..137, 499..599		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	34737	Seq. ID	OJ990428_30.9922.C23
Gene No.	71766	Strand	-
Start	49	End	247
Name	OJ990428_30.9922.C23.o1.gs	Method	GENSCAN
Start	49	End	247
GI	none	Score	.66
Exons	49..247		

Seq. No.	34738	Seq. ID	OJ990428_30.9922.C25
Gene No.	71767	Strand	-
Start	1	End	179
Name	OJ990428_30.9922.C25.o1.np	Method	AAT/NAP
Start	1	End	179
GI	6630696	Score	258
Exons	1..179		

GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94 (P10978) [Oryza sativa]

Seq. No.	34739	Seq. ID	OJ990428_30.9922.C26
Gene No.	71768	Strand	-
Start	80	End	388
Name	OJ990428_30.9922.C26.o1.gs	Method	GENSCAN
Start	80	End	388
GI	none	Score	.43
Exons	80..246, 322..388		

Seq. No.	34740	Seq. ID	OJ990428_30.9922.C28
Gene No.	71769	Strand	+
Start	1	End	639
Name	OJ990428_30.9922.C28.o1.np	Method	AAT/NAP
Start	1	End	639
GI	6691191	Score	158
Exons	1..278, 618..639		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	34740	Seq. ID	OJ990428_30.9922.C28
Gene No.	71769	Strand	+
Start	1	End	639
Name	OJ990428_30.9922.C28.o1.gs	Method	GENSCAN
Start	170	End	254
GI	none	Score	.43
Exons	170..254		

Seq. No.	34740	Seq. ID	OJ990428_30.9922.C28
Gene No.	71769	Strand	+
Start	1	End	639
Name	OJ990428_30.9922.C28.o2.np	Method	AAT/NAP
Start	511	End	639
GI	6815053	Score	188
Exons	511..639		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	34741	Seq. ID	OJ990428_30.9922.C29
Gene No.	71770	Strand	+
Start	1	End	394
Name	OJ990428_30.9922.C29.ol.np	Method	AAT/NAP
Start	1	End	394
GI	4325357	Score	205
Exons	1..394		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	34742	Seq. ID	OJ990428_30.9922.C30
Gene No.	71771	Strand	-
Start	114	End	507
Name	OJ990428_30.9922.C30.ol.gs	Method	GENSCAN
Start	114	End	507
GI	none	Score	.58
Exons	114..241, 327..507		

Seq. No.	34743	Seq. ID	OJ990428_30.9922.C32
Gene No.	71772	Strand	-
Start	77	End	244
Name	OJ990428_30.9922.C32.ol.gs	Method	GENSCAN
Start	77	End	244
GI	none	Score	.98
Exons	77..244		

Seq. No.	34744	Seq. ID	OJ990428_30.9922.C36
Gene No.	71773	Strand	+
Start	297	End	365
Name	OJ990428_30.9922.C36.ol.gs	Method	GENSCAN
Start	297	End	365
GI	none	Score	.43
Exons	297..365		

Seq. No.	34745	Seq. ID	OJ990428_30.9922.C37
Gene No.	71774	Strand	+
Start	1	End	257
Name	OJ990428_30.9922.C37.ol.np	Method	AAT/NAP
Start	1	End	224
GI	3924604	Score	103
Exons	1..224		
GI Descrip.	(AF069442) putative leucine-rich repeat protein [Arabidopsis thaliana]		

Seq. No.	34745	Seq. ID	OJ990428_30.9922.C37
Gene No.	71774	Strand	+
Start	1	End	257
Name	OJ990428_30.9922.C37.ol.gs	Method	GENSCAN
Start	30	End	257
GI	none	Score	.99
Exons	30..257		

Seq. No.	34746	Seq. ID	OJ990428_30.9922.C39
Gene No.	71775	Strand	+
Start	28	End	231
Name	OJ990428_30.9922.C39.ol.gs	Method	GENSCAN

Start 28
GI none
Exons 28..231

End 231
Score .88

Seq. No. 34747
Gene No. 71776
Start 46
Name OJ990428_30.9922.C40.ol.gs
Start 46
GI none
Exons 46..450

Seq. ID OJ990428_30.9922.C40
Strand +
End 450
Method GENSCAN
End 450
Score .41

Seq. No. 34747
Gene No. 71777
Start 1
Name OJ990428_30.9922.C40.ol.np
Start 1
GI 6063554
Exons 1..90, 208..499

Seq. ID OJ990428_30.9922.C40
Strand -
End 499
Method AAT/NAP
End 499
Score 373

GI Descrip. (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 34748
Gene No. 71778
Start 93
Name OJ990428_30.9922.C41.ol.gs
Start 93
GI none
Exons 93..380

Seq. ID OJ990428_30.9922.C41
Strand -
End 380
Method GENSCAN
End 380
Score .64

Seq. No. 34749
Gene No. 71779
Start 1
Name OJ990428_30.9922.C42.ol.np
Start 1
GI 2961377
Exons 1..551

Seq. ID OJ990428_30.9922.C42
Strand +
End 551
Method AAT/NAP
End 551
Score 113

GI Descrip. (AL022141) putative receptor protein kinase [Arabidopsis thaliana]

Seq. No. 34749
Gene No. 71779
Start 1
Name OJ990428_30.9922.C42.ol.gs
Start 58
GI none
Exons 58..534

Seq. ID OJ990428_30.9922.C42
Strand +
End 551
Method GENSCAN
End 534
Score .82

Seq. No. 34749
Gene No. 71779
Start 1
Name OJ990428_30.9922.C42.ol.tm
Start 157
GI none
Exons 157..285, 158..286, 265..411, 266..415

Seq. ID OJ990428_30.9922.C42
Strand +
End 551
Method TBLASTX:Maize
End 415
Score 151

Seq. No.	34750	Seq. ID	OJ990428_30.9922.C43
Gene No.	71780	Strand	-
Start	338	End	395
Name	OJ990428_30.9922.C43.o1.gs	Method	GENSCAN
Start	338	End	395
GI	none	Score	.69
Exons	338..395		
Seq. No.	34751	Seq. ID	OJ990428_30.9922.C45
Gene No.	71781	Strand	+
Start	23	End	304
Name	OJ990428_30.9922.C45.o1.gs	Method	GENSCAN
Start	23	End	304
GI	none	Score	.52
Exons	23..304		
Seq. No.	34752	Seq. ID	OJ990428_30.9922.C52
Gene No.	71782	Strand	-
Start	159	End	522
Name	OJ990428_30.9922.C52.o1.np	Method	AAT/NAP
Start	159	End	522
GI	3243234	Score	123
Exons	159..522		
GI Descrip.	(AF071477) isoflavone reductase related protein [Pyrus communis]		
Seq. No.	34753	Seq. ID	OJ990528_30.9919.C1
Gene No.	71783	Strand	-
Start	1	End	86
Name	OJ990528_30.9919.C1.o1.np	Method	AAT/NAP
Start	1	End	86
GI	2498930	Score	118
Exons	1..86		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	34754	Seq. ID	OJ990528_30.9919.C2
Gene No.	71784	Strand	+
Start	1168	End	5245
Name	OJ990528_30.9919.C2.o1.np	Method	AAT/NAP
Start	1168	End	2401
GI	5669656	Score	224
Exons	1168..1257, 1702..1776, 1899..1970, 2219..2401		
GI Descrip.	(AF096263) ER33 protein [Lycopersicon esculentum]		
Seq. No.	34754	Seq. ID	OJ990528_30.9919.C2
Gene No.	71784	Strand	+
Start	1168	End	5245
Name	OJ990528_30.9919.C2.o2.gp	Method	AAT/GAP
Start	1403	End	1780
GI	none	Score	410
Exons	1403..1606, 1711..1780		
Seq. No.	34754	Seq. ID	OJ990528_30.9919.C2
Gene No.	71784	Strand	+
Start	1168	End	5245
Name	OJ990528_30.9919.C2.o1.gs	Method	GENSCAN
Start	1448	End	5245

GI	none	Score	.67
Exons	1448..1606, 1899..1964, 2261..2382, 3841..3890, 4267..4358, 4958..5245		

Seq. No.	34754	Seq. ID	OJ990528_30.9919.C2
Gene No.	71784	Strand	+
Start	1168	End	5245
Name	OJ990528_30.9919.C2.o3.gp	Method	AAT/GAP
Start	1693	End	2786
GI	1990_1.R1084	Score	1345
Exons	1693..1776, 1899..1964, 2056..2109, 2261..2786		
GI Descrip.	'5669656/gb AAD46413.1 AF096263_1 1.0e-23 (AF096263) ER33 protein [Lycopersicon esculentum]'		

Seq. No.	34754	Seq. ID	OJ990528_30.9919.C2
Gene No.	71785	Strand	+
Start	6197	End	10055
Name	OJ990528_30.9919.C2.o2.gs	Method	GENSCAN
Start	6197	End	9746
GI	none	Score	.79
Exons	6197..6309, 7564..7672, 8086..8250, 8282..8453, 8735..8934, 9064..9327, 9507..9746		

Seq. No.	34754	Seq. ID	OJ990528_30.9919.C2
Gene No.	71785	Strand	+
Start	6197	End	10055
Name	OJ990528_30.9919.C2.o4.gp	Method	AAT/GAP
Start	8628	End	10055
GI	2_1.R1084	Score	2264
Exons	8628..8934, 9064..9411, 9507..10055		
GI Descrip.	'3618310/dbj BAA33201 1.0e-108 (AB001883) zinc finger protein [Oryza sativa]'		

Seq. No.	34754	Seq. ID	OJ990528_30.9919.C2
Gene No.	71785	Strand	+
Start	6197	End	10055
Name	OJ990528_30.9919.C2.o2.np	Method	AAT/NAP
Start	8749	End	9743
GI	3618310	Score	1293
Exons	8749..8934, 9064..9411, 9507..9743		
GI Descrip.	(AB001883) zinc finger protein [Oryza sativa]		

Seq. No.	34754	Seq. ID	OJ990528_30.9919.C2
Gene No.	71786	Strand	+
Start	10097	End	10537
Name	OJ990528_30.9919.C2.o5.gp	Method	AAT/GAP
Start	10097	End	10537
GI	4715695	Score	859
Exons	10097..10537		

Seq. No.	34754	Seq. ID	OJ990528_30.9919.C2
Gene No.	71787	Strand	+
Start	11114	End	11735
Name	OJ990528_30.9919.C2.o6.gp	Method	AAT/GAP
Start	11114	End	11735
GI	11536_1.R1084	Score	600
Exons	11114..11430, 11639..11735		

GI Descrip. '5123948/emb|CAB45506.1| 3.0e-35 (AL079349) putative protein
[Arabidopsis thaliana]'

Seq. No.	34754	Seq. ID	OJ990528_30.9919.C2
Gene No.	71788	Strand	-
Start	10841	End	11425
Name	OJ990528_30.9919.C2.o2.tm	Method	TBLASTX:Maize
Start	1513	End	2386
GI	none	Score	124
Exons	1513..1608, 1514..1606, 1528..1608, 1708..1785, 1737..1784, 1881..1970, 1898..1957, 2050..2124, 2054..2110, 2055..2111, 2249..2347, 2260..2346, 2333..2386, 2345..2386		

Seq. No.	34754	Seq. ID	OJ990528_30.9919.C2
Gene No.	71788	Strand	-
Start	10841	End	11425
Name	OJ990528_30.9919.C2.o1.tm	Method	TBLASTX:Maize
Start	8588	End	9750
GI	none	Score	41
Exons	8588..8632, 8589..8618, 8745..8876, 8746..8880, 8917..8934, 9061..9231, 9063..9230, 9070..9168, 9076..9267, 9234..9290, 9321..9380, 9322..9411, 9361..9411, 9462..9566, 9504..9584, 9506..9583, 9611..9634, 9612..9731, 9642..9719, 9643..9741, 9705..9749, 9705..9749, 9709..9750		

Seq. No.	34754	Seq. ID	OJ990528_30.9919.C2
Gene No.	71788	Strand	-
Start	10841	End	11425
Name	OJ990528_30.9919.C2.o1.tc	Method	TBLASTX:Cress
Start	8818	End	9755
GI	none	Score	102
Exons	8818..8880, 8818..8880, 8917..8934, 9055..9204, 9061..9168, 9063..9203, 9597..9626, 9657..9755		

Seq. No.	34754	Seq. ID	OJ990528_30.9919.C2
Gene No.	71788	Strand	-
Start	10841	End	11425
Name	OJ990528_30.9919.C2.o1.ts	Method	TBLASTX:Soybean
Start	8818	End	9417
GI	none	Score	108
Exons	8818..8880, 8917..8934, 9055..9213, 9061..9174, 9063..9212, 9355..9417		

Seq. No.	34754	Seq. ID	OJ990528_30.9919.C2
Gene No.	71788	Strand	-
Start	10841	End	11425
Name	OJ990528_30.9919.C2.o3.gs	Method	GENSCAN
Start	10841	End	11425
GI	none	Score	.64
Exons	10841..11425		

Seq. No.	34754	Seq. ID	OJ990528_30.9919.C2
Gene No.	71788	Strand	-
Start	10841	End	11425
Name	OJ990528_30.9919.C2.o3.tm	Method	TBLASTX:Maize
Start	10972	End	11245
GI	none	Score	127

Exons 10972..11067, 10974..11066, 11067..11228, 11068..11238,
11075..11230, 11083..11238, 11084..11245

Seq. No.	34755	Seq. ID	OJ990528_30.9919.C3
Gene No.	71789	Strand	+
Start	962	End	1154
Name	OJ990528_30.9919.C3.o1.gs	Method	GENSCAN
Start	962	End	1154
GI	none	Score	.82
Exons	962..1154		

Seq. No.	34755	Seq. ID	OJ990528_30.9919.C3
Gene No.	71790	Strand	+
Start	3047	End	4946
Name	OJ990528_30.9919.C3.o2.gs	Method	GENSCAN
Start	3047	End	4946
GI	none	Score	.63
Exons	3047..3212, 3214..3312, 3553..3663, 4138..4243, 4330..4404, 4766..4946		

Seq. No.	34755	Seq. ID	OJ990528_30.9919.C3
Gene No.	71791	Strand	-
Start	1	End	1616
Name	OJ990528_30.9919.C3.o1.gp	Method	AAT/GAP
Start	1	End	233
GI	11536_1.R1084	Score	450
Exons	1..233		
GI Descrip.	'5123948/emb CAB45506.1 3.0e-35 (AL079349) putative protein [Arabidopsis thaliana]'		

Seq. No.	34755	Seq. ID	OJ990528_30.9919.C3
Gene No.	71791	Strand	-
Start	1	End	1616
Name	OJ990528_30.9919.C3.o1.np	Method	AAT/NAP
Start	1	End	1616
GI	4510396	Score	180
Exons	1..211, 822..985, 1534..1616		
GI Descrip.	(AC006587) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34755	Seq. ID	OJ990528_30.9919.C3
Gene No.	71792	Strand	-
Start	4779	End	4961
Name	OJ990528_30.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	4779	End	4961
GI	none	Score	187
Exons	4779..4961, 4780..4959		

Seq. No.	34755	Seq. ID	OJ990528_30.9919.C3
Gene No.	71792	Strand	-
Start	4779	End	4961
Name	OJ990528_30.9919.C3.o2.np	Method	AAT/NAP
Start	4779	End	4961
GI	6041859	Score	220
Exons	4779..4961		
GI Descrip.	(AC009853) putative calmodulin [Arabidopsis thaliana]		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
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Gene No.	71793	Strand	+
Start	10633	End	15201
Name	OJ990528_30.9919.C4.o2.np	Method	AAT/NAP
Start	10633	End	15201
GI	5295971	Score	7542
Exons	10633..15201		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71794	Strand	-
Start	1	End	96
Name	OJ990528_30.9919.C4.o1.np	Method	AAT/NAP
Start	1	End	96
GI	6041859	Score	116
Exons	1..96		
GI Descrip.	(AC009853) putative calmodulin [Arabidopsis thaliana]		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71795	Strand	-
Start	5727	End	8521
Name	OJ990528_30.9919.C4.o2.gs	Method	GENSCAN
Start	5727	End	8521
GI	none	Score	.8
Exons	5727..5771, 5989..6093, 6194..6259, 7108..7212, 7783..7919, 8491..8521		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71795	Strand	-
Start	5727	End	8521
Name	OJ990528_30.9919.C4.o1.gp	Method	AAT/GAP
Start	6226	End	7853
GI	none	Score	596
Exons	6226..6296, 6399..6487, 7108..7212, 7783..7853		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71796	Strand	-
Start	12472	End	12907
Name	OJ990528_30.9919.C4.o2.gp	Method	AAT/GAP
Start	12472	End	12907
GI	uC-osf1M2020118f01a1	Score	781
Exons	12472..12907		
GI Descrip.	'5295971/dbj BAA81872.1 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o4.tm	Method	TBLASTX:Maize
Start	5304	End	7180
GI	none	Score	104
Exons	5304..5426, 5306..5434, 5316..5405, 5977..6111, 5987..6106, 5987..6115, 5989..6108, 6177..6293, 6197..6298, 6197..6298, 6384..6485, 6392..6487, 6393..6479, 6395..6493, 7111..7176,		

7112..7180

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o7.tm	Method	TBLASTX:Maize
Start	7783	End	9302
GI	none	Score	96
Exons	7783..7842, 7783..7839, 7784..7843, 7800..7919, 7816..7929, 7817..7930, 8001..8114, 8005..8115, 8005..8115, 8489..8554, 8491..8559, 8491..8562, 8658..8792, 8658..8792, 8660..8797, 9080..9139, 9081..9146, 9081..9140, 9091..9165, 9276..9302		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o5.tm	Method	TBLASTX:Maize
Start	11019	End	11311
GI	none	Score	353
Exons	11019..11234, 11020..11310, 11038..11310, 11270..11311		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o1.tm	Method	TBLASTX:Maize
Start	11544	End	12264
GI	none	Score	264
Exons	11544..11801, 11545..11820, 11562..11819, 11802..11834, 11839..12264, 11840..12163, 11899..12264		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o1.tw	Method	TBLASTX:Wheat
Start	12189	End	12642
GI	none	Score	340
Exons	12189..12494, 12190..12555, 12193..12570, 12550..12642, 12562..12642		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o8.tm	Method	TBLASTX:Maize
Start	12279	End	12519
GI	none	Score	307
Exons	12279..12518, 12280..12519		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o4.ts	Method	TBLASTX:Soybean
Start	12580	End	12855
GI	none	Score	185
Exons	12580..12855, 12676..12756		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-

Start	14594	End	15110
Name	OJ990528_30.9919.C4.o3.tw	Method	TBLASTX:Wheat
Start	12715	End	13266
GI	none	Score	104
Exons	12715..12855, 12913..13179, 12930..13079, 13182..13253, 13186..13266		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o2.tm	Method	TBLASTX:Maize
Start	12918	End	13344
GI	none	Score	664
Exons	12918..13343, 12922..13344		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o1.ts	Method	TBLASTX:Soybean
Start	12949	End	13428
GI	none	Score	330
Exons	12949..13257, 12954..13244, 13282..13428, 13312..13425		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o2.tc	Method	TBLASTX:Cress
Start	12964	End	13404
GI	none	Score	194
Exons	12964..13260, 13104..13250, 13282..13404		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o2.ts	Method	TBLASTX:Soybean
Start	13878	End	14372
GI	5509260	Score	223
Exons	13878..14162, 13958..14131, 14157..14372, 14213..14353		
GI Descrip.	-		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o6.tm	Method	TBLASTX:Maize
Start	13929	End	14222
GI	none	Score	289
Exons	13929..14180, 13955..14131, 14157..14222, 14157..14222		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o3.tc	Method	TBLASTX:Cress
Start	14000	End	14261
GI	none	Score	152
Exons	14000..14131, 14001..14174, 14157..14261		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
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Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o2.tw	Method	TBLASTX:Wheat
Start	14045	End	14594
GI	none	Score	120
Exons	14045..14131, 14046..14174, 14061..14159, 14157..14387, 14196..14363, 14373..14483, 14517..14594		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o3.tm	Method	TBLASTX:Maize
Start	14424	End	14812
GI	none	Score	143
Exons	14424..14516, 14424..14513, 14426..14521, 14426..14515, 14513..14740, 14517..14810, 14517..14810, 14783..14812		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o3.ts	Method	TBLASTX:Soybean
Start	14520	End	14909
GI	none	Score	295
Exons	14520..14909		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o3.gp	Method	AAT/GAP
Start	14594	End	15048
GI	36280_1.R1084	Score	850
Exons	14594..15048		
GI Descrip.	'5295971/dbj BAA81872.1 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o4.tw	Method	TBLASTX:Wheat
Start	14595	End	14906
GI	none	Score	64
Exons	14595..14702, 14727..14906		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110
Name	OJ990528_30.9919.C4.o1.tc	Method	TBLASTX:Cress
Start	14727	End	15104
GI	none	Score	257
Exons	14727..15017, 14789..14899, 14921..15016, 15023..15100, 15024..15104		

Seq. No.	34756	Seq. ID	OJ990528_30.9919.C4
Gene No.	71797	Strand	-
Start	14594	End	15110

Name	OJ990528_30.9919.C4.o9.tm	Method	TBLASTX:Maize
Start	14813	End	15110
GI	none	Score	303
Exons	14813..14899, 14814..15110, 14933..15109		

Seq. No.	34757	Seq. ID	OJ990528_30.9919.C5
Gene No.	71798	Strand	-
Start	549	End	1597
Name	OJ990528_30.9919.C5.o1.gs	Method	GENSCAN
Start	549	End	1586
GI	none	Score	.88
Exons	549..645, 767..1025, 1180..1371, 1565..1586		

Seq. No.	34757	Seq. ID	OJ990528_30.9919.C5
Gene No.	71798	Strand	-
Start	549	End	1597
Name	OJ990528_30.9919.C5.o1.tm	Method	TBLASTX:Maize
Start	601	End	976
GI	none	Score	176
Exons	601..645, 603..650, 763..939, 765..938, 766..951, 768..944, 943..975, 944..976, 945..974, 946..975		

Seq. No.	34757	Seq. ID	OJ990528_30.9919.C5
Gene No.	71798	Strand	-
Start	549	End	1597
Name	OJ990528_30.9919.C5.o1.np	Method	AAT/NAP
Start	780	End	1597
GI	6857781	Score	103
Exons	780..862, 1180..1437, 1553..1597		
GI Descrip.	eukaryotic translation initiation factor 2 alpha kinase 3 gi 4107513 (AF076681) type-I transmembrane ER-resident serine/threonine kinase PERK [Mus musculus]		

Seq. No.	34758	Seq. ID	OJ990528_30.9919.C6
Gene No.	71799	Strand	-
Start	1	End	4870
Name	OJ990528_30.9919.C6.o1.np	Method	AAT/NAP
Start	1	End	4870
GI	121064	Score	191
Exons	1..211, 605..989, 1089..1162, 2047..2136, 2752..2792, 4833..4870		
GI Descrip.	PROTEIN KINASE GCN2 gi 171578 (M27082) GCN2 [Saccharomyces cerevisiae]		

Seq. No.	34758	Seq. ID	OJ990528_30.9919.C6
Gene No.	71799	Strand	-
Start	1	End	4870
Name	OJ990528_30.9919.C6.o1.gs	Method	GENSCAN
Start	24	End	4492
GI	none	Score	.89
Exons	24..211, 823..989, 2954..3040, 3139..3225, 3304..3429, 4025..4492		

Seq. No.	34759	Seq. ID	OJ990528_30.9919.C7
Gene No.	71800	Strand	+
Start	5770	End	10163
Name	OJ990528_30.9919.C7.o2.gs	Method	GENSCAN
Start	5770	End	10163

GI none Score .73
Exons 5770..5827, 6644..6958, 9136..9311, 9996..10163

Seq. No. 34759 Seq. ID OJ990528_30.9919.C7
Gene No. 71801 Strand -
Start 298 End 6858
Name OJ990528_30.9919.C7.o1.gs Method GENSCAN
Start 298 End 5341
GI none Score .74
Exons 298..402, 1092..1197, 1299..1448, 3461..3627, 3835..4057,
4147..4289, 4606..4706, 4785..4851, 4982..5044, 5210..5341

Seq. No. 34759 Seq. ID OJ990528_30.9919.C7
Gene No. 71801 Strand -
Start 298 End 6858
Name OJ990528_30.9919.C7.o1.gp Method AAT/GAP
Start 3318 End 4095
GI 16145_1.R1084 Score 973
Exons 3318..3627, 3835..4095
GI Descrip. '3763940 1.0e-35 (AC004450) hypothetical protein [Arabidopsis
thaliana]'

Seq. No. 34759 Seq. ID OJ990528_30.9919.C7
Gene No. 71801 Strand -
Start 298 End 6858
Name OJ990528_30.9919.C7.o2.tm Method TBLASTX:Maize
Start 3333 End 3593
GI none Score 89
Exons 3333..3434, 3334..3402, 3336..3407, 3443..3592, 3451..3591,
3455..3592, 3459..3593

Seq. No. 34759 Seq. ID OJ990528_30.9919.C7
Gene No. 71801 Strand -
Start 298 End 6858
Name OJ990528_30.9919.C7.o1.ts Method TBLASTX:Soybean
Start 3449 End 4065
GI none Score 115
Exons 3449..3577, 3454..3591, 3457..3588, 3583..3684, 3599..3628,
3835..4023, 3836..4009, 4003..4065, 4004..4063

Seq. No. 34759 Seq. ID OJ990528_30.9919.C7
Gene No. 71801 Strand -
Start 298 End 6858
Name OJ990528_30.9919.C7.o1.np Method AAT/NAP
Start 3460 End 5341
GI 2288982 Score 874
Exons 3460..3642, 3799..4289, 4399..4443, 4606..4706, 4785..4851,
4982..5044, 5210..5341
GI Descrip. (AC002335) hypothetical protein [Arabidopsis thaliana]

Seq. No. 34759 Seq. ID OJ990528_30.9919.C7
Gene No. 71801 Strand -
Start 298 End 6858
Name OJ990528_30.9919.C7.o1.tm Method TBLASTX:Maize
Start 3595 End 5345
GI none Score 369
Exons 3595..3645, 3835..4107, 3836..4111, 4126..4290, 4137..4295,

4137..4292, 4157..4306, 4381..4455, 4400..4444, 4600..4707,
 4603..4713, 4604..4708, 4770..4853, 4781..4867, 4783..4866,
 4977..5045, 4980..5051, 4981..5046, 5210..5341, 5211..5345

Seq. No.	34759	Seq. ID	OJ990528_30.9919.C7
Gene No.	71801	Strand	-
Start	298	End	6858
Name	OJ990528_30.9919.C7.o2.gp	Method	AAT/GAP
Start	4190	End	6858
GI	15521_1.R1084	Score	1541
Exons	4190..4289, 4399..4443, 4606..4706, 4785..4851, 4982..5044, 5210..5349, 6534..6858		
GI Descrip.	'2288982 5.0e-61 (AC002335) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	34760	Seq. ID	OJ990528_30.9919.C8
Gene No.	71802	Strand	+
Start	30	End	3503
Name	OJ990528_30.9919.C8.o1.gs	Method	GENSCAN
Start	30	End	3503
GI	none	Score	.59
Exons	30..142, 255..367, 1659..1793, 2553..2686, 3233..3350, 3427..3503		

Seq. No.	34760	Seq. ID	OJ990528_30.9919.C8
Gene No.	71803	Strand	-
Start	3045	End	17316
Name	OJ990528_30.9919.C8.o1.np	Method	AAT/NAP
Start	3045	End	14623
GI	5902062	Score	2385
Exons	3045..3086, 4259..4450, 4558..4762, 4978..5057, 5133..5248, 5327..5482, 5839..5990, 6282..6434, 6689..6941, 7023..7226, 7918..8016, 8502..8693, 9030..9264, 9644..9737, 10100..10313, 10649..10837, 10944..11084, 11170..11314, 11386..11534, 11610..11830, 12485..12584, 12681..12764, 12888..12955, 13063..13389, 13476..13625, 13787..13910, 14576..14623		
GI Descrip.	polymerase (RNA) III (DNA directed) (155kD) gi 3122765 sp O14802 RPC1_HUMAN DNA-DIRECTED RNA POLYMERASE III LARGEST SUBUNIT (RPC155) gi 2460208 (AF021351) RNA polymerase III largest subunit [Homo sapiens]		

Seq. No.	34760	Seq. ID	OJ990528_30.9919.C8
Gene No.	71803	Strand	-
Start	3045	End	17316
Name	OJ990528_30.9919.C8.o2.gs	Method	GENSCAN
Start	4002	End	17316
GI	none	Score	.87
Exons	4002..4053, 4248..4450, 4558..4762, 4978..5057, 5133..5249, 5327..5482, 5839..5961, 6666..6941, 7023..7226, 7403..7492, 7918..8016, 8502..8693, 9030..9264, 9644..9737, 10100..10313, 10649..10837, 10944..11084, 11170..11311, 11386..11534, 11610..11810, 12465..12564, 12661..12773, 12906..13127, 13285..13389, 13476..13625, 13787..13916, 14017..14250, 14331..14480, 15148..15201, 17108..17316		

Seq. No.	34760	Seq. ID	OJ990528_30.9919.C8
Gene No.	71803	Strand	-

Start	3045	End	17316
Name	OJ990528_30.9919.C8.o1.gp	Method	AAT/GAP
Start	5153	End	6351
GI	LIB3433-021-P1-K1-F11	Score	836
Exons	5153..5249, 5327..5482, 5839..5990, 6282..6351		
GI Descrip.	'5902062/ref NP_008986.1 pRPC155 1.0e-31 polymerase (RNA) III (DNA directed) (155kD) >gi_3122765_sp_014802_RPC1_HUMAN DNA-DIRECTED RNA POLYMERASE III LARGEST SUBUNIT (RPC155) >gi_2460208 (AF021351) RNA polymerase III largest subunit [Homo sapiens]'		

Seq. No.	34760	Seq. ID	OJ990528_30.9919.C8
Gene No.	71803	Strand	-
Start	3045	End	17316
Name	OJ990528_30.9919.C8.o2.np	Method	AAT/NAP
Start	7508	End	14808
GI	133332	Score	633
Exons	7508..7530, 7861..8016, 8502..8693, 9030..9328, 10084..10207, 10268..10313, 10649..10837, 10944..11084, 11170..11273, 11351..11534, 11610..11728, 12207..12326, 12488..12563, 12666..12764, 13094..13610, 14785..14808		

GI Descrip. DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT
gi|102110|pir|A31875 RNA polymerase II large chain 1
Trypanosoma brucei gi|10505|emb|CAA31846| (X13491) RNA polymerase II largest subunit [Trypanosoma brucei]

Seq. No.	34760	Seq. ID	OJ990528_30.9919.C8
Gene No.	71804	Strand	-
Start	17639	End	18346
Name	OJ990528_30.9919.C8.o1.tc	Method	TBLASTX:Cress
Start	4268	End	4758
GI	none	Score	64
Exons	4268..4453, 4364..4459, 4558..4758		

Seq. No.	34760	Seq. ID	OJ990528_30.9919.C8
Gene No.	71804	Strand	-
Start	17639	End	18346
Name	OJ990528_30.9919.C8.o1.tm	Method	TBLASTX:Maize
Start	4388	End	5384
GI	none	Score	36
Exons	4388..4414, 4403..4465, 4407..4451, 4557..4763, 4558..4764, 4558..4761, 4559..4792, 4964..5002, 5007..5063, 5019..5063, 5128..5250, 5131..5250, 5133..5255, 5133..5252, 5327..5383, 5327..5383, 5328..5384		

Seq. No.	34760	Seq. ID	OJ990528_30.9919.C8
Gene No.	71804	Strand	-
Start	17639	End	18346
Name	OJ990528_30.9919.C8.o1.ts	Method	TBLASTX:Soybean
Start	5151	End	7227
GI	none	Score	124
Exons	5151..5252, 5327..5482, 5836..5991, 5837..5986, 5851..5991, 6020..6073, 6279..6428, 6280..6429, 6283..6432, 7029..7226, 7029..7223, 7036..7227		

Seq. No.	34760	Seq. ID	OJ990528_30.9919.C8
Gene No.	71804	Strand	-

Start	17639	End	18346
Name	OJ990528_30.9919.C8.o1.tw	Method	TBLASTX:Wheat
Start	6783	End	7228
GI	none	Score	53
Exons	6783..6851, 6794..6853, 6842..6943, 6849..6941, 6862..6942, 7017..7223, 7018..7227, 7021..7227, 7022..7228		

Seq. No.	34760	Seq. ID	OJ990528_30.9919.C8
Gene No.	71804	Strand	-
Start	17639	End	18346
Name	OJ990528_30.9919.C8.o2.ts	Method	TBLASTX:Soybean
Start	8581	End	9738
GI	none	Score	128
Exons	8581..8694, 8583..8696, 9024..9251, 9028..9267, 9644..9733, 9649..9738		

Seq. No.	34760	Seq. ID	OJ990528_30.9919.C8
Gene No.	71804	Strand	-
Start	17639	End	18346
Name	OJ990528_30.9919.C8.o3.gs	Method	GENSCAN
Start	17639	End	18346
GI	none	Score	93
Exons	17639..18346		

Seq. No.	34761	Seq. ID	OJ990528_30.9919.C9
Gene No.	71805	Strand	-
Start	111	End	4659
Name	OJ990528_30.9919.C9.o1.gp	Method	AAT/GAP
Start	111	End	684
GI	none	Score	1042
Exons	111..684		

Seq. No.	34761	Seq. ID	OJ990528_30.9919.C9
Gene No.	71805	Strand	-
Start	111	End	4659
Name	OJ990528_30.9919.C9.o1.gs	Method	GENSCAN
Start	527	End	4645
GI	none	Score	.75
Exons	527..809, 991..1117, 1201..1300, 1382..1453, 1798..1887, 1977..2067, 2154..2261, 2546..2634, 2707..2811, 3149..3334, 3836..3938, 4521..4645		

Seq. No.	34761	Seq. ID	OJ990528_30.9919.C9
Gene No.	71805	Strand	-
Start	111	End	4659
Name	OJ990528_30.9919.C9.o1.np	Method	AAT/NAP
Start	539	End	4659
GI	3335347	Score	1712
Exons	539..611, 648..809, 991..1117, 1201..1300, 1382..1453, 1623..1670, 1798..1887, 1977..2067, 2154..2261, 2546..2634, 2707..2811, 3149..3321, 3412..3525, 3836..3936, 4519..4659		
GI Descrip.	(AC004512) Contains similarity to ARI, RING finger protein gb X98309 from Drosophila melanogaster. ESTs gb T44383, gb W43120, gb N65868, gb H36013, gb AA042241, gb T76869 and gb AA042359 come from this gene. [Arabidopsis thaliana]		

Seq. No.	34761	Seq. ID	OJ990528_30.9919.C9
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Gene No.	71805	Strand	-
Start	111	End	4659
Name	OJ990528_30.9919.C9.o1.tm	Method	TBLASTX:Maize
Start	702	End	2261
GI	none	Score	159
Exons	702..809, 706..810, 722..811, 723..818, 981..1115, 992..1117, 993..1118, 1195..1302, 1199..1303, 1200..1304, 1379..1456, 1383..1454, 1384..1455, 1615..1671, 1620..1724, 1782..1889, 1798..1887, 1977..2066, 1978..2067, 1979..2068, 2153..2260, 2154..2261		

Seq. No.	34761	Seq. ID	OJ990528_30.9919.C9
Gene No.	71805	Strand	-
Start	111	End	4659
Name	OJ990528_30.9919.C9.o1.ts	Method	TBLASTX:Soybean
Start	1080	End	3220
GI	none	Score	64
Exons	1080..1115, 1198..1290, 1199..1303, 1200..1304, 1377..1478, 1379..1453, 1627..1671, 1793..1909, 1798..1887, 1980..2066, 1981..2067, 2144..2260, 2152..2265, 2154..2261, 2530..2634, 2546..2632, 2546..2635, 2707..2757, 2708..2758, 2708..2767, 2755..2817, 2756..2806, 3149..3220		

Seq. No.	34761	Seq. ID	OJ990528_30.9919.C9
Gene No.	71805	Strand	-
Start	111	End	4659
Name	OJ990528_30.9919.C9.o1.tc	Method	TBLASTX:Cress
Start	1274	End	2216
GI	none	Score	94
Exons	1274..1303, 1379..1453, 1797..1889, 1798..1890, 1798..1890, 1802..1906, 1980..2066, 1981..2067, 2153..2215, 2154..2216		

Seq. No.	34761	Seq. ID	OJ990528_30.9919.C9
Gene No.	71805	Strand	-
Start	111	End	4659
Name	OJ990528_30.9919.C9.o2.tm	Method	TBLASTX:Maize
Start	2387	End	3485
GI	none	Score	136
Exons	2387..2443, 2530..2637, 2546..2632, 2546..2641, 2701..2814, 2702..2812, 3138..3323, 3145..3327, 3149..3352, 3410..3484, 3410..3484, 3411..3485		

Seq. No.	34761	Seq. ID	OJ990528_30.9919.C9
Gene No.	71805	Strand	-
Start	111	End	4659
Name	OJ990528_30.9919.C9.o2.tc	Method	TBLASTX:Cress
Start	2707	End	3307
GI	none	Score	90
Exons	2707..2814, 2708..2812, 3145..3300, 3146..3301, 3146..3307, 3153..3305		

Seq. No.	34761	Seq. ID	OJ990528_30.9919.C9
Gene No.	71805	Strand	-
Start	111	End	4659
Name	OJ990528_30.9919.C9.o3.tm	Method	TBLASTX:Maize
Start	3832	End	4648
GI	none	Score	131

Exons 3832..3939, 3833..3940, 3833..3937, 3835..3975, 4519..4647, 4520..4648, 4521..4646

Seq. No.	34762	Seq. ID	OJ990528_30.9919.C10
Gene No.	71806	Strand	+
Start	10181	End	11385
Name	OJ990528_30.9919.C10.o3.gs	Method	GENSCAN
Start	10181	End	11385
GI	none	Score	.92
Exons	10181..10383, 10531..10676, 11126..11385		

Seq. No.	34762	Seq. ID	OJ990528_30.9919.C10
Gene No.	71807	Strand	+
Start	12857	End	14291
Name	OJ990528_30.9919.C10.o2.np	Method	AAT/NAP
Start	12857	End	14291
GI	2289003	Score	549
Exons	12857..13004, 13523..13628, 13673..14008, 14250..14291		
GI Descrip.	(AC002335) putative membrane transporter [Arabidopsis thaliana]		

Seq. No.	34762	Seq. ID	OJ990528_30.9919.C10
Gene No.	71808	Strand	-
Start	4362	End	7780
Name	OJ990528_30.9919.C10.o1.np	Method	AAT/NAP
Start	4362	End	7780
GI	5852181	Score	114
Exons	4362..4597, 7703..7780		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	34762	Seq. ID	OJ990528_30.9919.C10
Gene No.	71809	Strand	-
Start	12043	End	14038
Name	OJ990528_30.9919.C10.o4.gs	Method	GENSCAN
Start	12043	End	13779
GI	none	Score	.55
Exons	12043..12462, 12564..12660, 12668..12895, 13649..13779		

Seq. No.	34762	Seq. ID	OJ990528_30.9919.C10
Gene No.	71809	Strand	-
Start	12043	End	14038
Name	OJ990528_30.9919.C10.o1.ts	Method	TBLASTX:Soybean
Start	12853	End	14011
GI	none	Score	113
Exons	12853..12900, 12902..13009, 12928..13005, 13519..13593, 13521..13580, 13663..14010, 13673..14011		

Seq. No.	34762	Seq. ID	OJ990528_30.9919.C10
Gene No.	71809	Strand	-
Start	12043	End	14038
Name	OJ990528_30.9919.C10.o1.tc	Method	TBLASTX:Cress
Start	13524	End	14011
GI	none	Score	80
Exons	13524..13595, 13525..13593, 13670..13870, 13672..13893, 13673..13894, 13895..13936, 13900..14010, 13922..13963, 13964..14011		

Seq. No.	34762	Seq. ID	OJ990528_30.9919.C10
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Gene No.	71809	Strand	-
Start	12043	End	14038
Name	OJ990528_30.9919.C10.o1.gp	Method	AAT/GAP
Start	13661	End	14038
GI	428259	Score	680
Exons	13661..14038		
GI Descrip.	2289003 1.0e-29 (AC002335) membrane transporter D1 isolog [Arabidopsis thaliana]		

Seq. No.	34763	Seq. ID	OJ990528_31.9919.C1
Gene No.	71810	Strand	-
Start	145	End	405
Name	OJ990528_31.9919.C1.o1.gp	Method	AAT/GAP
Start	145	End	405
GI	none	Score	506
Exons	145..405		

Seq. No.	34764	Seq. ID	OJ990528_31.9919.C2
Gene No.	71811	Strand	-
Start	1	End	84
Name	OJ990528_31.9919.C2.o1.gp	Method	AAT/GAP
Start	1	End	84
GI	none	Score	135
Exons	1..84		

Seq. No.	34764	Seq. ID	OJ990528_31.9919.C2
Gene No.	71812	Strand	-
Start	18	End	1162
Name	OJ990528_31.9919.C2.o2.tm	Method	TBLASTX:Maize
Start	2	End	224
GI	none	Score	115
Exons	2..103, 3..122, 5..133, 6..137, 125..223, 126..224		

Seq. No.	34764	Seq. ID	OJ990528_31.9919.C2
Gene No.	71812	Strand	-
Start	18	End	1162
Name	OJ990528_31.9919.C2.o1.gs	Method	GENSCAN
Start	18	End	1066
GI	none	Score	.79
Exons	18..1066		

Seq. No.	34764	Seq. ID	OJ990528_31.9919.C2
Gene No.	71812	Strand	-
Start	18	End	1162
Name	OJ990528_31.9919.C2.o2.ts	Method	TBLASTX:Soybean
Start	68	End	457
GI	none	Score	222
Exons	68..457, 69..296, 74..457		

Seq. No.	34764	Seq. ID	OJ990528_31.9919.C2
Gene No.	71812	Strand	-
Start	18	End	1162
Name	OJ990528_31.9919.C2.o1.tm	Method	TBLASTX:Maize
Start	242	End	1162
GI	none	Score	1149
Exons	242..331, 255..1151, 298..1152, 299..1162, 367..1146, 371..1150, 381..1154		

Seq. No.	34764	Seq. ID	OJ990528_31.9919.C2
Gene No.	71812	Strand	-
Start	18	End	1162
Name	OJ990528_31.9919.C2.o1.tc	Method	TBLASTX:Cress
Start	245	End	706
GI	none	Score	344
Exons	245..604, 255..602, 275..604, 578..706		
Seq. No.	34764	Seq. ID	OJ990528_31.9919.C2
Gene No.	71812	Strand	-
Start	18	End	1162
Name	OJ990528_31.9919.C2.o1.ts	Method	TBLASTX:Soybean
Start	536	End	1090
GI	none	Score	101
Exons	536..640, 537..641, 650..775, 653..775, 654..779, 819..1004, 821..1012, 822..1013, 1034..1090		
Seq. No.	34764	Seq. ID	OJ990528_31.9919.C2
Gene No.	71812	Strand	-
Start	18	End	1162
Name	OJ990528_31.9919.C2.o2.gp	Method	AAT/GAP
Start	835	End	1124
GI	none	Score	533
Exons	835..1124		
Seq. No.	34765	Seq. ID	OJ990528_31.9919.C4
Gene No.	71813	Strand	-
Start	358	End	504
Name	OJ990528_31.9919.C4.o1.gs	Method	GENSCAN
Start	358	End	504
GI	none	Score	.43
Exons	358..504		
Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71814	Strand	+
Start	3880	End	10056
Name	OJ990528_31.9919.C5.o2.gs	Method	GENSCAN
Start	3880	End	10056
GI	none	Score	.69
Exons	3880..4334, 4583..4702, 8998..9074, 9654..9883, 9937..10056		
Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71815	Strand	+
Start	10554	End	16079
Name	OJ990528_31.9919.C5.o3.gs	Method	GENSCAN
Start	10554	End	16055
GI	none	Score	.95
Exons	10554..10638, 10784..11026, 12817..16055		
Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71815	Strand	+
Start	10554	End	16079
Name	OJ990528_31.9919.C5.o2.np	Method	AAT/NAP
Start	11500	End	16079
GI	4680203	Score	2017
Exons	11500..11566, 12817..14478, 14638..14862, 15139..16079		

GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71816	Strand	-
Start	268	End	4579
Name	OJ990528_31.9919.C5.o1.gs	Method	GENSCAN
Start	268	End	2088
GI	none	Score	.86
Exons	268..920, 2055..2088		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71816	Strand	-
Start	268	End	4579
Name	OJ990528_31.9919.C5.o1.np	Method	AAT/NAP
Start	293	End	4579
GI	4835767	Score	541
Exons	293..816, 3895..4579		
GI Descrip.	(AC007202) T8K14.16 [Arabidopsis thaliana]		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71816	Strand	-
Start	268	End	4579
Name	OJ990528_31.9919.C5.o1.tm	Method	TBLASTX:Maize
Start	343	End	4047
GI	none	Score	102
Exons	343..459, 344..460, 422..484, 487..579, 556..585, 580..735, 583..822, 587..820, 3940..4047, 3950..4042		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71816	Strand	-
Start	268	End	4579
Name	OJ990528_31.9919.C5.o2.ts	Method	TBLASTX:Soybean
Start	343	End	715
GI	none	Score	81
Exons	343..432, 344..433, 460..711, 551..715		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71816	Strand	-
Start	268	End	4579
Name	OJ990528_31.9919.C5.o6.ts	Method	TBLASTX:Soybean
Start	721	End	4221
GI	none	Score	107
Exons	721..822, 3940..4068, 3950..4069, 4132..4221		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71816	Strand	-
Start	268	End	4579
Name	OJ990528_31.9919.C5.o5.tm	Method	TBLASTX:Maize
Start	4048	End	4471
GI	none	Score	84
Exons	4048..4074, 4114..4176, 4148..4234, 4165..4221, 4205..4234, 4339..4422, 4373..4471		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71817	Strand	-
Start	13176	End	14309
Name	OJ990528_31.9919.C5.o2.tw	Method	TBLASTX:Wheat

Start	13176	End	13856
GI	none	Score	247
Exons	13176..13592, 13265..13465, 13601..13711, 13605..13724, 13731..13856		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71817	Strand	
Start	13176	End	14309
Name	OJ990528_31.9919.C5.o1.ts	Method	TBLASTX:Soybean
Start	13248	End	13585
GI	none	Score	47
Exons	13248..13295, 13253..13303, 13301..13585, 13302..13583		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71817	Strand	
Start	13176	End	14309
Name	OJ990528_31.9919.C5.o4.ts	Method	TBLASTX:Soybean
Start	13604	End	13871
GI	none	Score	226
Exons	13604..13852, 13608..13871, 13629..13853		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71817	Strand	
Start	13176	End	14309
Name	OJ990528_31.9919.C5.o1.tc	Method	TBLASTX:Cress
Start	13605	End	13952
GI	none	Score	334
Exons	13605..13952, 13610..13759, 13799..13951		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71817	Strand	
Start	13176	End	14309
Name	OJ990528_31.9919.C5.o2.tm	Method	TBLASTX:Maize
Start	13791	End	14240
GI	none	Score	230
Exons	13791..13922, 13796..14023, 13797..14039, 14021..14224, 14046..14240		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71817	Strand	
Start	13176	End	14309
Name	OJ990528_31.9919.C5.o3.tw	Method	TBLASTX:Wheat
Start	13860	End	14201
GI	none	Score	49
Exons	13860..13892, 13905..14000, 13907..14002, 13952..14200, 14046..14201		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71817	Strand	
Start	13176	End	14309
Name	OJ990528_31.9919.C5.o5.ts	Method	TBLASTX:Soybean
Start	14075	End	14309
GI	none	Score	223
Exons	14075..14236, 14076..14309, 14100..14300		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71818	Strand	

Start	14400	End	14624
Name	OJ990528_31.9919.C5.o4.tm	Method	TBLASTX:Maize
Start	14400	End	14615
GI	none	Score	229
Exons	14400..14600, 14424..14615, 14426..14614		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71818	Strand	
Start	14400	End	14624
Name	OJ990528_31.9919.C5.o4.tw	Method	TBLASTX:Wheat
Start	14420	End	14624
GI	none	Score	167
Exons	14420..14536, 14421..14540, 14421..14537, 14541..14624, 14552..14593		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71819	Strand	
Start	14712	End	16001
Name	OJ990528_31.9919.C5.o7.ts	Method	TBLASTX:Soybean
Start	14712	End	15095
GI	none	Score	85
Exons	14712..14840, 14850..15095		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71819	Strand	
Start	14712	End	16001
Name	OJ990528_31.9919.C5.o1.tw	Method	TBLASTX:Wheat
Start	14751	End	16001
GI	none	Score	509
Exons	14751..15293, 14795..15295, 15300..15500, 15353..15490, 15498..15638, 15512..15637, 15654..15704, 15661..15705, 15705..15758, 15776..15880, 15777..15881, 15882..16001		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71819	Strand	
Start	14712	End	16001
Name	OJ990528_31.9919.C5.o3.tm	Method	TBLASTX:Maize
Start	14792	End	15107
GI	none	Score	298
Exons	14792..15088, 14793..15107		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71819	Strand	
Start	14712	End	16001
Name	OJ990528_31.9919.C5.o2.tc	Method	TBLASTX:Cress
Start	15038	End	15464
GI	none	Score	238
Exons	15038..15295, 15042..15293, 15300..15464, 15353..15460		

Seq. No.	34766	Seq. ID	OJ990528_31.9919.C5
Gene No.	71819	Strand	
Start	14712	End	16001
Name	OJ990528_31.9919.C5.o3.ts	Method	TBLASTX:Soybean
Start	15690	End	15938
GI	none	Score	241
Exons	15690..15938, 15692..15874		

Seq. No.	34767	Seq. ID	OJ990528_31.9919.C6
Gene No.	71820	Strand	+
Start	1075	End	3179
Name	OJ990528_31.9919.C6.o1.gs	Method	GENSCAN
Start	1075	End	3179
GI	none	Score	.65
Exons	1075..1468, 2071..2627, 2706..3179		

Seq. No.	34767	Seq. ID	OJ990528_31.9919.C6
Gene No.	71821	Strand	+
Start	5424	End	7103
Name	OJ990528_31.9919.C6.o1.np	Method	AAT/NAP
Start	5424	End	7103
GI	6907086	Score	1228
Exons	5424..6193, 6251..6504, 6725..7103		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	34767	Seq. ID	OJ990528_31.9919.C6
Gene No.	71822	Strand	-
Start	3817	End	4409
Name	OJ990528_31.9919.C6.o2.gs	Method	GENSCAN
Start	3817	End	4409
GI	none	Score	.81
Exons	3817..3890, 4268..4315, 4355..4409		

Seq. No.	34767	Seq. ID	OJ990528_31.9919.C6
Gene No.	71823	Strand	-
Start	11834	End	11998
Name	OJ990528_31.9919.C6.o4.gs	Method	GENSCAN
Start	11834	End	11998
GI	none	Score	.74
Exons	11834..11998		

Seq. No.	34768	Seq. ID	OJ990528_31.9919.C7
Gene No.	71824	Strand	+
Start	156	End	4253
Name	OJ990528_31.9919.C7.o1.gs	Method	GENSCAN
Start	156	End	4179
GI	none	Score	.52
Exons	156..249, 437..592, 2025..2626, 2756..2953, 3436..3526, 3645..3791, 3908..4000, 4078..4179		

Seq. No.	34768	Seq. ID	OJ990528_31.9919.C7
Gene No.	71824	Strand	+
Start	156	End	4253
Name	OJ990528_31.9919.C7.o1.gp	Method	AAT/GAP
Start	1381	End	2377
GI	none	Score	1076
Exons	1381..1592, 2025..2377		

Seq. No.	34768	Seq. ID	OJ990528_31.9919.C7
Gene No.	71824	Strand	+
Start	156	End	4253
Name	OJ990528_31.9919.C7.o1.np	Method	AAT/NAP
Start	2518	End	4253
GI	6735365	Score	785
Exons	2518..2626, 2756..2870, 3099..3164, 3254..3342, 3436..3526,		

3645..3791, 3908..4000, 4078..4253
GI Descrip. (AL137082) putative protein [Arabidopsis thaliana]

Seq. No.	34768	Seq. ID	OJ990528_31.9919.C7
Gene No.	71824	Strand	+
Start	156	End	4253
Name	OJ990528_31.9919.C7.o2.tc	Method	TBLASTX:Cress
Start	2526	End	3478
GI	none	Score	122
Exons	2526..2627, 2537..2629, 2538..2630, 2744..2872, 2748..2873, 3094..3162, 3098..3163, 3099..3167, 3253..3348, 3254..3349, 3437..3478		

Seq. No.	34768	Seq. ID	OJ990528_31.9919.C7
Gene No.	71824	Strand	+
Start	156	End	4253
Name	OJ990528_31.9919.C7.o1.ts	Method	TBLASTX:Soybean
Start	2537	End	4191
GI	none	Score	125
Exons	2537..2629, 2538..2630, 2744..2872, 2748..2873, 3098..3163, 3099..3167, 3253..3348, 3254..3349, 3436..3471, 3437..3475, 3472..3525, 3473..3526, 3644..3697, 3645..3737, 3741..3791, 3905..4009, 3910..3990, 4066..4191, 4075..4176		

Seq. No.	34768	Seq. ID	OJ990528_31.9919.C7
Gene No.	71824	Strand	+
Start	156	End	4253
Name	OJ990528_31.9919.C7.o1.tm	Method	TBLASTX:Maize
Start	3099	End	3501
GI	none	Score	116
Exons	3099..3167, 3100..3174, 3101..3163, 3252..3341, 3253..3348, 3254..3349, 3431..3493, 3436..3501, 3437..3493		

Seq. No.	34768	Seq. ID	OJ990528_31.9919.C7
Gene No.	71824	Strand	+
Start	156	End	4253
Name	OJ990528_31.9919.C7.o1.tw	Method	TBLASTX:Wheat
Start	3119	End	3680
GI	none	Score	51
Exons	3119..3160, 3120..3167, 3253..3348, 3254..3349, 3436..3525, 3437..3526, 3645..3680		

Seq. No.	34768	Seq. ID	OJ990528_31.9919.C7
Gene No.	71824	Strand	+
Start	156	End	4253
Name	OJ990528_31.9919.C7.o1.tc	Method	TBLASTX:Cress
Start	3699	End	4182
GI	none	Score	85
Exons	3699..3791, 3702..3797, 3905..4009, 3907..3999, 4075..4176, 4084..4182		

Seq. No.	34768	Seq. ID	OJ990528_31.9919.C7
Gene No.	71824	Strand	+
Start	156	End	4253
Name	OJ990528_31.9919.C7.o2.tm	Method	TBLASTX:Maize
Start	3768	End	4184
GI	none	Score	45

Exons 3768..3791, 3905..4009, 3907..3996, 4075..4182, 4077..4184

Seq. No.	34769	Seq. ID	OJ990528_31.9919.C8
Gene No.	71825	Strand	+
Start	21	End	2277
Name	OJ990528_31.9919.C8.o1.gs	Method	GENSCAN
Start	21	End	2277
GI	none	Score	.78
Exons	21..375, 1156..1532, 2116..2277		

Seq. No.	34769	Seq. ID	OJ990528_31.9919.C8
Gene No.	71826	Strand	-
Start	981	End	2274
Name	OJ990528_31.9919.C8.o1.gp	Method	AAT/GAP
Start	981	End	2274
GI	24051_2.R1084	Score	1096
Exons	981..1470, 2180..2274		
GI Descrip.	'2739219/emb CAA04565 2.0e-20 (AJ001161) rpS28 [Hordeum vulgare]'		

Seq. No.	34769	Seq. ID	OJ990528_31.9919.C8
Gene No.	71827	Strand	-
Start	3746	End	8924
Name	OJ990528_31.9919.C8.o2.gs	Method	GENSCAN
Start	3746	End	8655
GI	none	Score	.44
Exons	3746..3913, 4561..4622, 5167..5231, 5320..5393, 5565..5642, 5855..6015, 6196..6282, 6373..6551, 7537..7667, 7705..7883, 8151..8330, 8595..8655		

Seq. No.	34769	Seq. ID	OJ990528_31.9919.C8
Gene No.	71827	Strand	-
Start	3746	End	8924
Name	OJ990528_31.9919.C8.o2.gp	Method	AAT/GAP
Start	8086	End	8924
GI	5461_1.R1084	Score	1566
Exons	8086..8924		
GI Descrip.	'4587611/gb AAD25839.1 AC006951_18 3.0e-53 (AC006951) putative 40S ribosomal protein S17 [Arabidopsis thaliana]'		

Seq. No.	34769	Seq. ID	OJ990528_31.9919.C8
Gene No.	71828	Strand	-
Start	9938	End	13873
Name	OJ990528_31.9919.C8.o3.tm	Method	TBLASTX:Maize
Start	108	End	278
GI	none	Score	138
Exons	108..269, 110..271, 113..274, 114..278		

Seq. No.	34769	Seq. ID	OJ990528_31.9919.C8
Gene No.	71828	Strand	-
Start	9938	End	13873
Name	OJ990528_31.9919.C8.o3.ts	Method	TBLASTX:Soybean
Start	114	End	278
GI	none	Score	211
Exons	114..278, 125..274		

Seq. No.	34769	Seq. ID	OJ990528_31.9919.C8
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Gene No.	71828	Strand	-
Start	9938	End	13873
Name	OJ990528_31.9919.C8.o2.tc	Method	TBLASTX:Cress
Start	1254	End	1508
GI	none	Score	88
Exons	1254..1379, 1317..1373, 1356..1508, 1375..1506		

Seq. No.	34769	Seq. ID	OJ990528_31.9919.C8
Gene No.	71828	Strand	-
Start	9938	End	13873
Name	OJ990528_31.9919.C8.o2.tm	Method	TBLASTX:Maize
Start	1256	End	1473
GI	none	Score	274
Exons	1256..1312, 1258..1473, 1317..1472, 1360..1473		

Seq. No.	34769	Seq. ID	OJ990528_31.9919.C8
Gene No.	71828	Strand	-
Start	9938	End	13873
Name	OJ990528_31.9919.C8.o2.ts	Method	TBLASTX:Soybean
Start	1265	End	1473
GI	none	Score	108
Exons	1265..1312, 1266..1394, 1312..1473, 1317..1469		

Seq. No.	34769	Seq. ID	OJ990528_31.9919.C8
Gene No.	71828	Strand	-
Start	9938	End	13873
Name	OJ990528_31.9919.C8.o2.tw	Method	TBLASTX:Wheat
Start	1271	End	1480
GI	none	Score	159
Exons	1271..1312, 1275..1391, 1312..1476, 1317..1472, 1360..1476, 1382..1480		

Seq. No.	34769	Seq. ID	OJ990528_31.9919.C8
Gene No.	71828	Strand	-
Start	9938	End	13873
Name	OJ990528_31.9919.C8.o1.tm	Method	TBLASTX:Maize
Start	8039	End	8623
GI	none	Score	592
Exons	8039..8080, 8193..8267, 8195..8566, 8196..8570, 8565..8621, 8570..8623		

Seq. No.	34769	Seq. ID	OJ990528_31.9919.C8
Gene No.	71828	Strand	-
Start	9938	End	13873
Name	OJ990528_31.9919.C8.o1.ts	Method	TBLASTX:Soybean
Start	8187	End	8567
GI	none	Score	493
Exons	8187..8528, 8195..8542, 8196..8567		

Seq. No.	34769	Seq. ID	OJ990528_31.9919.C8
Gene No.	71828	Strand	-
Start	9938	End	13873
Name	OJ990528_31.9919.C8.o1.tw	Method	TBLASTX:Wheat
Start	8190	End	8507
GI	none	Score	211
Exons	8190..8267, 8192..8353, 8195..8452, 8196..8507, 8313..8507		

Seq. No.	34769	Seq. ID	OJ990528_31.9919.C8
Gene No.	71828	Strand	-
Start	9938	End	13873
Name	OJ990528_31.9919.C8.o1.tc	Method	TBLASTX:Cress
Start	8195	End	8570
GI	none	Score	501
Exons	8195..8542, 8196..8570		

Seq. No.	34769	Seq. ID	OJ990528_31.9919.C8
Gene No.	71828	Strand	-
Start	9938	End	13873
Name	OJ990528_31.9919.C8.o3.gs	Method	GENSCAN
Start	9938	End	13873
GI	none	Score	.65
Exons	9938..10501, 10694..10851, 11096..11226, 11687..11858, 12041..12134, 12692..12836, 13782..13873		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71829	Strand	+
Start	3845	End	6392
Name	OJ990528_31.9919.C9.o1.gp	Method	AAT/GAP
Start	3845	End	4862
GI	none	Score	712
Exons	3845..4052, 4160..4255, 4604..4659, 4835..4862		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71829	Strand	+
Start	3845	End	6392
Name	OJ990528_31.9919.C9.o1.gs	Method	GENSCAN
Start	3876	End	6188
GI	none	Score	.77
Exons	3876..4052, 4160..4255, 4375..4400, 4604..4659, 5292..5471, 5864..5935, 6070..6188		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71829	Strand	+
Start	3845	End	6392
Name	OJ990528_31.9919.C9.o2.gp	Method	AAT/GAP
Start	6061	End	6392
GI	57980_1.R1084	Score	487
Exons	6061..6392		
GI Descrip.	'5714761/gb AF173881.1 AF173881 1.0e-117 Oryza sativa subsp. indica serine/threonine protein phosphatase PP2A-4 catalytic subunit (PP2A) gene, complete cds'		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71830	Strand	+
Start	15629	End	21471
Name	OJ990528_31.9919.C9.o4.gs	Method	GENSCAN
Start	15629	End	17382
GI	none	Score	.74
Exons	15629..15861, 15929..16089, 16280..16401, 16546..17382		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71830	Strand	+
Start	15629	End	21471
Name	OJ990528_31.9919.C9.o2.np	Method	AAT/NAP

Start 17210
GI 4206306
Exons 17210..17296, 17629..21471
GI Descrip. (AF049110) prpol [Zea mays]

End 21471
Score 3048

Seq. No. 34770
Gene No. 71831
Start 26422
Name OJ990528_31.9919.C9.o7.gs
Start 26422
GI none
Exons 26422..26601, 26797..27156, 27260..27565

Seq. ID OJ990528_31.9919.C9
Strand +
End 27565
Method GENSCAN
End 27565
Score .85

Seq. No. 34770
Gene No. 71832
Start 28121
Name OJ990528_31.9919.C9.o8.gs
Start 28121
GI none
Exons 28121..28468

Seq. ID OJ990528_31.9919.C9
Strand +
End 28468
Method GENSCAN
End 28468
Score .86

Seq. No. 34770
Gene No. 71833
Start 28493
Name OJ990528_31.9919.C9.o4.np
Start 28493
GI 2213632
Exons 28493..28834
GI Descrip. (AC000103) F21J9.24 [Arabidopsis thaliana]

Seq. ID OJ990528_31.9919.C9
Strand +
End 28834
Method AAT/NAP
End 28834
Score 297

Seq. No. 34770
Gene No. 71834
Start 7168
Name OJ990528_31.9919.C9.o2.gs
Start 7168
GI none
Exons 7168..7194, 7547..7654, 7993..8082, 8172..8363, 9034..9100, 9271..9311, 9515..9586, 9829..9900, 9998..10081, 11181..11237, 11690..11785

Seq. ID OJ990528_31.9919.C9
Strand -
End 11785
Method GENSCAN
End 11785
Score .88

Seq. No. 34770
Gene No. 71834
Start 7168
Name OJ990528_31.9919.C9.o1.np
Start 7245
GI 5714762
Exons 7245..7307, 7547..7654, 7993..8082, 8172..8363, 9034..9100, 9271..9311, 9515..9586, 9829..9900, 9998..10081, 11181..11237, 11690..11785
GI Descrip. (AF173881) serine/threonine protein phosphatase PP2A-4 catalytic subunit [Oryza sativa subsp. indica]

Seq. ID OJ990528_31.9919.C9
Strand -
End 11785
Method AAT/NAP
End 11785
Score 1369

Seq. No. 34770
Gene No. 71835
Start 12654
Name OJ990528_31.9919.C9.o3.gs
Start 12654

Seq. ID OJ990528_31.9919.C9
Strand -
End 15531
Method GENSCAN
End 15531

GI	none	Score	.77
Exons	12654..12717, 12859..13087, 14614..14730, 15318..15531		
Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o6.tm	Method	TBLASTX:Maize
Start	3936	End	4979
GI	none	Score	171
Exons	3936..4055, 3941..4054, 4157..4255, 4159..4254, 4603..4659, 4604..4657, 4816..4950, 4829..4975, 4833..4979		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o1.ts	Method	TBLASTX:Soybean
Start	7200	End	8370
GI	none	Score	114
Exons	7200..7316, 7219..7317, 7547..7672, 7547..7660, 7993..8085, 7997..8083, 8151..8363, 8165..8365, 8170..8370		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o1.tc	Method	TBLASTX:Cress
Start	7242	End	11743
GI	none	Score	98
Exons	7242..7316, 7246..7308, 7547..7660, 7551..7655, 7993..8085, 7997..8086, 8151..8363, 8172..8363, 8176..8364, 9022..9102, 9032..9100, 9270..9314, 9479..9586, 9519..9587, 9821..9892, 9826..9900, 9827..9901, 9831..9914, 10001..10087, 10002..10082, 11181..11240, 11182..11238, 11681..11743		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o1.tm	Method	TBLASTX:Maize
Start	7242	End	11743
GI	none	Score	98
Exons	7242..7316, 7246..7308, 7547..7660, 7566..7655, 7993..8085, 7997..8083, 8151..8363, 8172..8348, 8176..8364, 9022..9102, 9032..9100, 9247..9315, 9270..9314, 9479..9586, 9516..9587, 9826..9903, 9827..9904, 9829..9927, 9998..10087, 9999..10082, 11181..11240, 11182..11238, 11681..11743, 11682..11738		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o2.tw	Method	TBLASTX:Wheat
Start	7547	End	9102
GI	none	Score	90
Exons	7547..7660, 7572..7661, 7991..8083, 7996..8085, 7999..8085, 8151..8363, 8176..8346, 9031..9102, 9038..9100		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715

Name	OJ990528_31.9919.C9.o2.ts	Method	TBLASTX:Soybean
Start	9031	End	11743
GI	none	Score	98
Exons	9031..9102, 9032..9100, 9033..9101, 9247..9312, 9270..9314, 9479..9586, 9519..9587, 9826..9903, 9827..9904, 9831..9911, 9832..9924, 9852..9917, 9942..10064, 9998..10087, 9999..10082, 11181..11240, 11185..11238, 11687..11743		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o11.tw	Method	TBLASTX:Wheat
Start	9247	End	10075
GI	none	Score	90
Exons	9247..9315, 9247..9315, 9254..9334, 9279..9338, 9479..9586, 9516..9587, 9516..9587, 9517..9588, 9848..9892, 9850..9897, 9854..9898, 9998..10075, 9999..10073		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o8.tw	Method	TBLASTX:Wheat
Start	16567	End	16941
GI	none	Score	190
Exons	16567..16941		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o9.tm	Method	TBLASTX:Maize
Start	16585	End	16854
GI	none	Score	187
Exons	16585..16854		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o7.tw	Method	TBLASTX:Wheat
Start	17788	End	18147
GI	none	Score	86
Exons	17788..17919, 17926..18147, 17946..18146		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o4.tw	Method	TBLASTX:Wheat
Start	18379	End	18705
GI	none	Score	309
Exons	18379..18705, 18411..18704		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o5.tm	Method	TBLASTX:Maize
Start	18480	End	18837
GI	none	Score	362
Exons	18480..18836, 18550..18837		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o1.tw	Method	TBLASTX:Wheat
Start	18706	End	19125
GI	none	Score	461
Exons	18706..19125, 18708..18875, 18718..19122, 18909..19124		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o3.tm	Method	TBLASTX:Maize
Start	18865	End	19248
GI	none	Score	373
Exons	18865..19248, 18886..19137, 18912..19235		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o3.ts	Method	TBLASTX:Soybean
Start	18967	End	19350
GI	none	Score	189
Exons	18967..19248, 19017..19124, 19276..19350		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o10.tw	Method	TBLASTX:Wheat
Start	19126	End	19341
GI	none	Score	179
Exons	19126..19341, 19155..19235		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o4.ts	Method	TBLASTX:Soybean
Start	19615	End	19982
GI	none	Score	212
Exons	19615..19974, 19755..19982		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o3.tw	Method	TBLASTX:Wheat
Start	19617	End	20042
GI	none	Score	315
Exons	19617..19730, 19618..20040, 19758..20042		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o7.tm	Method	TBLASTX:Maize
Start	20251	End	20517
GI	none	Score	215
Exons	20251..20517, 20358..20516		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o6.tw	Method	TBLASTX:Wheat
Start	20359	End	20748
GI	none	Score	255
Exons	20359..20748		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o2.tm	Method	TBLASTX:Maize
Start	20518	End	20880
GI	none	Score	377
Exons	20518..20880, 20610..20879		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o5.ts	Method	TBLASTX:Soybean
Start	20521	End	20895
GI	none	Score	94
Exons	20521..20664, 20550..20663, 20670..20888, 20671..20895		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o9.tw	Method	TBLASTX:Wheat
Start	20866	End	21462
GI	none	Score	98
Exons	20866..20985, 21012..21143, 21013..21210, 21337..21462		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o8.tm	Method	TBLASTX:Maize
Start	20911	End	21153
GI	none	Score	191
Exons	20911..21153, 20916..20960, 21006..21152		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71836	Strand	-
Start	22191	End	25715
Name	OJ990528_31.9919.C9.o6.gs	Method	GENSCAN
Start	22191	End	25715
GI	none	Score	.9
Exons	22191..22202, 22451..22540, 22835..23650, 23805..24790, 24878..25008, 25048..25715		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71837	Strand	-
Start	28283	End	28834
Name	OJ990528_31.9919.C9.o4.tm	Method	TBLASTX:Maize
Start	28283	End	28834
GI	none	Score	353
Exons	28283..28738, 28336..28773, 28778..28834		

Seq. No.	34770	Seq. ID	OJ990528_31.9919.C9
Gene No.	71837	Strand	
Start	28283	End	28834
Name	OJ990528_31.9919.C9.o5.tw	Method	TBLASTX:Wheat
Start	28283	End	28657
GI	none	Score	289
Exons	28283..28657, 28333..28572, 28358..28633		

Seq. No.	34771	Seq. ID	OJ990528_31.9919.C10
Gene No.	71838	Strand	-
Start	213	End	3535
Name	OJ990528_31.9919.C10.o1.gs	Method	GENSCAN
Start	213	End	3535
GI	none	Score	.88
Exons	213..503, 2078..2131, 2838..3030, 3472..3535		

Seq. No.	34772	Seq. ID	OJ990528_31.9919.C11
Gene No.	71839	Strand	+
Start	475	End	600
Name	OJ990528_31.9919.C11.o1.gs	Method	GENSCAN
Start	475	End	600
GI	none	Score	.45
Exons	475..600		

Seq. No.	34772	Seq. ID	OJ990528_31.9919.C11
Gene No.	71840	Strand	-
Start	2000	End	7617
Name	OJ990528_31.9919.C11.o2.gs	Method	GENSCAN
Start	2000	End	7058
GI	none	Score	.82
Exons	2000..2317, 2400..2531, 3403..3543, 3686..3862, 4290..4407, 4726..5192, 6727..6880, 6970..7058		

Seq. No.	34772	Seq. ID	OJ990528_31.9919.C11
Gene No.	71840	Strand	-
Start	2000	End	7617
Name	OJ990528_31.9919.C11.o1.np	Method	AAT/NAP
Start	3238	End	6891
GI	5091616	Score	239
Exons	3238..3310, 3403..3509, 3676..3862, 3946..4086, 4136..4215, 4696..4908, 6845..6891		

GI Descrip. (AC007454) F23M19.3 [Arabidopsis thaliana]

Seq. No.	34772	Seq. ID	OJ990528_31.9919.C11
Gene No.	71840	Strand	-
Start	2000	End	7617
Name	OJ990528_31.9919.C11.o2.tm	Method	TBLASTX:Maize
Start	4549	End	4910
GI	none	Score	65
Exons	4549..4644, 4549..4644, 4556..4669, 4722..4910, 4725..4907		

Seq. No.	34772	Seq. ID	OJ990528_31.9919.C11
Gene No.	71840	Strand	-
Start	2000	End	7617
Name	OJ990528_31.9919.C11.o2.ts	Method	TBLASTX:Soybean
Start	4549	End	4929
GI	none	Score	66

Exons 4549..4644, 4556..4666, 4722..4907, 4725..4928, 4837..4929

Seq. No.	34772	Seq. ID	OJ990528_31.9919.C11
Gene No.	71840	Strand	-
Start	2000	End	7617
Name	OJ990528_31.9919.C11.o2.np	Method	AAT/NAP
Start	5214	End	7617
GI	4530126	Score	314
Exons	5214..5237, 6496..6661, 6734..6880, 6970..7192, 7330..7397, 7449..7617		
GI Descrip.	(AF078082) receptor-like protein kinase homolog RK20-1 [Phaseolus vulgaris]		

Seq. No.	34772	Seq. ID	OJ990528_31.9919.C11
Gene No.	71840	Strand	-
Start	2000	End	7617
Name	OJ990528_31.9919.C11.o1.tm	Method	TBLASTX:Maize
Start	6486	End	7181
GI	none	Score	78
Exons	6486..6641, 6501..6641, 6769..6879, 6770..6880, 6770..6880, 6771..6881, 6772..6888, 6965..7156, 6969..7172, 6970..7173, 6971..7177, 7017..7181		

Seq. No.	34772	Seq. ID	OJ990528_31.9919.C11
Gene No.	71840	Strand	-
Start	2000	End	7617
Name	OJ990528_31.9919.C11.o1.ts	Method	TBLASTX:Soybean
Start	6504	End	7603
GI	none	Score	67
Exons	6504..6596, 6630..6653, 6775..6879, 6776..6880, 6972..7115, 6973..7107, 7104..7181, 7108..7161, 7343..7408, 7436..7603		

Seq. No.	34772	Seq. ID	OJ990528_31.9919.C11
Gene No.	71840	Strand	-
Start	2000	End	7617
Name	OJ990528_31.9919.C11.o1.tw	Method	TBLASTX:Wheat
Start	6755	End	7137
GI	none	Score	96
Exons	6755..6880, 6769..6879, 6796..6888, 6972..7136, 6973..7137		

Seq. No.	34772	Seq. ID	OJ990528_31.9919.C11
Gene No.	71840	Strand	-
Start	2000	End	7617
Name	OJ990528_31.9919.C11.o1.tc	Method	TBLASTX:Cress
Start	6775	End	7603
GI	none	Score	65
Exons	6775..6876, 6776..6868, 6972..7106, 6973..7107, 7104..7181, 7343..7408, 7436..7603		

Seq. No.	34773	Seq. ID	OJ990528_31.9919.C13
Gene No.	71841	Strand	-
Start	1	End	56
Name	OJ990528_31.9919.C13.o1.gp	Method	AAT/GAP
Start	1	End	56
GI	3767869	Score	112
Exons	1..56		

Seq. No.	34773	Seq. ID	OJ990528_31.9919.C13
Gene No.	71842	Strand	-
Start	374	End	980
Name	OJ990528_31.9919.C13.o1.tm	Method	TBLASTX:Maize
Start	1	End	648
GI	none	Score	180
Exons	1..177, 3..167, 4..180, 360..488, 378..485, 389..496, 579..647, 580..648, 581..646		

Seq. No.	34773	Seq. ID	OJ990528_31.9919.C13
Gene No.	71842	Strand	-
Start	374	End	980
Name	OJ990528_31.9919.C13.o1.ts	Method	TBLASTX:Soybean
Start	1	End	763
GI	none	Score	89
Exons	1..99, 3..74, 76..168, 78..167, 389..487, 390..491, 414..491, 581..760, 597..761, 612..761, 617..763		

Seq. No.	34773	Seq. ID	OJ990528_31.9919.C13
Gene No.	71842	Strand	-
Start	374	End	980
Name	OJ990528_31.9919.C13.o1.np	Method	AAT/NAP
Start	350	End	980
GI	5080816	Score	459
Exons	350..484, 581..980		
GI Descrip.	(AC007258) Putative ATPase [Arabidopsis thaliana]		

Seq. No.	34773	Seq. ID	OJ990528_31.9919.C13
Gene No.	71842	Strand	-
Start	374	End	980
Name	OJ990528_31.9919.C13.o2.gp	Method	AAT/GAP
Start	363	End	903
GI	16650_1.R1084	Score	783
Exons	363..484, 581..903		
GI Descrip.	'5080816/gb AAD39325.1 AC007258_14 2.0e-77 (AC007258) Putative ATPase [Arabidopsis thaliana]'		

Seq. No.	34773	Seq. ID	OJ990528_31.9919.C13
Gene No.	71842	Strand	-
Start	374	End	980
Name	OJ990528_31.9919.C13.o1.gs	Method	GENSCAN
Start	374	End	801
GI	none	Score	.57
Exons	374..484, 581..801		

Seq. No.	34773	Seq. ID	OJ990528_31.9919.C13
Gene No.	71842	Strand	-
Start	374	End	980
Name	OJ990528_31.9919.C13.o2.tm	Method	TBLASTX:Maize
Start	755	End	904
GI	none	Score	151
Exons	755..901, 756..899, 761..904		

Seq. No.	34774	Seq. ID	OJ990528_31.9919.C14
Gene No.	71843	Strand	+
Start	182	End	342
Name	OJ990528_31.9919.C14.o1.gs	Method	GENSCAN

Start 182
GI none
Exons 182..342.

End 342
Score .5

Seq. No. 34775
Gene No. 71844
Start 11
Name OJ990428_29.9922.C2.o1.gs
Start 11
GI none
Exons 11..86, 745..887, 1683..1858

Seq. ID OJ990428_29.9922.C2
Strand -
End 2175
Method GENSCAN
End 1858
Score .58

Seq. No. 34775
Gene No. 71844
Start 11
Name OJ990428_29.9922.C2.o1.gp
Start 451
GI 3762167
Exons 451..883
GI Descrip. 1402889/emb|CAA66820| 3.0e-18 (X98130) unknown [Arabidopsis thaliana]

Seq. ID OJ990428_29.9922.C2
Strand -
End 2175
Method AAT/GAP
End 883
Score 797

Seq. No. 34775
Gene No. 71844
Start 11
Name OJ990428_29.9922.C2.o1.tc
Start 696
GI none
Exons 696..857, 707..856, 854..886, 858..905, 965..1006, 1008..1154, 1010..1126, 1682..1762, 1683..1772

Seq. ID OJ990428_29.9922.C2
Strand -
End 2175
Method TBLASTX:Cress
End 1772
Score 128

Seq. No. 34775
Gene No. 71844
Start 11
Name OJ990428_29.9922.C2.o1.np
Start 698
GI 1402889
Exons 698..887, 1683..1807, 2149..2175
GI Descrip. (X98130) unknown [Arabidopsis thaliana]

Seq. ID OJ990428_29.9922.C2
Strand -
End 2175
Method AAT/NAP
End 2175
Score 292

Seq. No. 34775
Gene No. 71844
Start 11
Name OJ990428_29.9922.C2.o1.tm
Start 711
GI none
Exons 711..818, 711..809, 713..817, 796..879, 813..887, 815..886, 970..1041, 971..1042, 972..1040, 973..1041

Seq. ID OJ990428_29.9922.C2
Strand -
End 2175
Method TBLASTX:Maize
End 1042
Score 143

Seq. No. 34776
Gene No. 71845
Start 48
Name OJ990428_29.9922.C3.o1.gs
Start 48
GI none
Exons 48..116

Seq. ID OJ990428_29.9922.C3
Strand +
End 116
Method GENSCAN
End 116
Score .75

Seq. No.	34777	Seq. ID	OJ990428_29.9922.C4
Gene No.	71846	Strand	-
Start	253	End	367
Name	OJ990428_29.9922.C4.o1.gs	Method	GENSCAN
Start	253	End	367
GI	none	Score	.88
Exons	253..367		

Seq. No.	34778	Seq. ID	OJ990428_29.9922.C5
Gene No.	71847	Strand	+
Start	222	End	533
Name	OJ990428_29.9922.C5.o1.np	Method	AAT/NAP
Start	222	End	533
GI	6539588	Score	165
Exons	222..533		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	34778	Seq. ID	OJ990428_29.9922.C5
Gene No.	71848	Strand	-
Start	1450	End	1517
Name	OJ990428_29.9922.C5.o2.gs	Method	GENSCAN
Start	1450	End	1517
GI	none	Score	.81
Exons	1450..1517		

Seq. No.	34779	Seq. ID	OJ990428_29.9922.C6
Gene No.	71849	Strand	-
Start	1	End	233
Name	OJ990428_29.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	233
GI	4522005	Score	94
Exons	1..233		
GI Descrip.	(AC007069) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	34780	Seq. ID	OJ990428_29.9922.C7
Gene No.	71850	Strand	+
Start	197	End	591
Name	OJ990428_29.9922.C7.o1.gs	Method	GENSCAN
Start	197	End	591
GI	none	Score	.71
Exons	197..254, 470..591		

Seq. No.	34781	Seq. ID	OJ990428_29.9922.C9
Gene No.	71851	Strand	+
Start	4153	End	4574
Name	OJ990428_29.9922.C9.o1.gp	Method	AAT/GAP
Start	4153	End	4574
GI	none	Score	772
Exons	4153..4574		

Seq. No.	34781	Seq. ID	OJ990428_29.9922.C9
Gene No.	71852	Strand	+
Start	5817	End	8946
Name	OJ990428_29.9922.C9.o2.gs	Method	GENSCAN
Start	5817	End	8946
GI	none	Score	.48

Exons 5817..5856, 7194..7350, 7440..7580, 8002..8077, 8839..8946

Seq. No.	34781	Seq. ID	OJ990428_29.9922.C9
Gene No.	71852	Strand	+
Start	5817	End	8946
Name	OJ990428_29.9922.C9.o4.np	Method	AAT/NAP
Start	6608	End	7580
GI	6539570	Score	235
Exons	6608..6647, 7194..7354, 7514..7580		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	34781	Seq. ID	OJ990428_29.9922.C9
Gene No.	71852	Strand	+
Start	5817	End	8946
Name	OJ990428_29.9922.C9.o3.np	Method	AAT/NAP
Start	6947	End	7024
GI	6630699	Score	82
Exons	6947..7024		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		
	gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	34781	Seq. ID	OJ990428_29.9922.C9
Gene No.	71853	Strand	-
Start	1	End	5327
Name	OJ990428_29.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	2049
GI	2852640	Score	165
Exons	1..410, 2029..2049		
GI Descrip.	(AF007157) unknown [Homo sapiens]		

Seq. No.	34781	Seq. ID	OJ990428_29.9922.C9
Gene No.	71853	Strand	-
Start	1	End	5327
Name	OJ990428_29.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	15	End	5132
GI	none	Score	103
Exons	15..86, 117..287, 280..393, 288..413, 4995..5132, 5032..5121		

Seq. No.	34781	Seq. ID	OJ990428_29.9922.C9
Gene No.	71853	Strand	-
Start	1	End	5327
Name	OJ990428_29.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	15	End	413
GI	none	Score	77
Exons	15..86, 22..84, 114..287, 288..413		

Seq. No.	34781	Seq. ID	OJ990428_29.9922.C9
Gene No.	71853	Strand	-
Start	1	End	5327
Name	OJ990428_29.9922.C9.o1.gs	Method	GENSCAN
Start	73	End	5327
GI	none	Score	.54
Exons	73..465, 558..609, 2041..2200, 2217..2329, 2885..3053, 4059..4347, 5038..5327		

Seq. No.	34781	Seq. ID	OJ990428_29.9922.C9
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Gene No.	71853	Strand	-
Start	1	End	5327
Name	OJ990428_29.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	147	End	413
GI	none	Score	42
Exons	147..200, 165..194, 201..287, 247..282, 283..393, 291..413, 348..413		

Seq. No.	34781	Seq. ID	OJ990428_29.9922.C9
Gene No.	71853	Strand	-
Start	1	End	5327
Name	OJ990428_29.9922.C9.o2.np	Method	AAT/NAP
Start	4989	End	5123
GI	6498433	Score	140
Exons	4989..5123		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71854	Strand	+
Start	19347	End	21469
Name	OJ990428_29.9922.C11.o4.gs	Method	GENSCAN
Start	19347	End	21469
GI	none	Score	97
Exons	19347..19444, 20302..20613, 21358..21469		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71855	Strand	-
Start	1311	End	9098
Name	OJ990428_29.9922.C11.o1.gs	Method	GENSCAN
Start	1311	End	6641
GI	none	Score	.95
Exons	1311..1734, 2028..2521, 3108..3221, 4360..4692, 4730..4918, 5793..5906, 6462..6641		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71855	Strand	-
Start	1311	End	9098
Name	OJ990428_29.9922.C11.o1.np	Method	AAT/NAP
Start	2460	End	6157
GI	2702273	Score	205
Exons	2460..2521, 3108..3221, 4348..4587, 6136..6157		
GI Descrip.	(AC003033) unknown protein [Arabidopsis thaliana]		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71855	Strand	-
Start	1311	End	9098
Name	OJ990428_29.9922.C11.o2.np	Method	AAT/NAP
Start	5395	End	9098
GI	2702273	Score	153
Exons	5395..5428, 5791..5906, 7286..7550, 9080..9098		
GI Descrip.	(AC003033) unknown protein [Arabidopsis thaliana]		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71856	Strand	-
Start	9575	End	18404
Name	OJ990428_29.9922.C11.o1.gp	Method	AAT/GAP
Start	9452	End	10787

GI 17997_1.R1084 Score 1177
 Exons 9452..9793, 9885..9953, 10041..10088, 10497..10592, 10672..10787
 GI Descrip. '1888357/emb|CAA66821| 3.0e-57 (X98130) alpha-mannosidase
 [Arabidopsis thaliana] >gi_1890154_emb_CAA72432_(Y11767)
 alpha-mannosidase precursor [Arabidopsis thaliana]'

Seq. No. 34782 Seq. ID OJ990428_29.9922.C11
 Gene No. 71856 Strand -
 Start 9575 End 18404
 Name OJ990428_29.9922.C11.o3.np Method AAT/NAP
 Start 9558 End 18395
 GI 1888357 Score 2595
 Exons 9558..9793, 9885..9953, 10041..10088, 10497..10592,
 10672..10781, 11122..11206, 11574..11686, 12219..12284,
 12531..12650, 12808..12855, 13028..13099, 13245..13304,
 13385..13479, 13904..14005, 14099..14318, 14495..14551,
 14674..14739, 14891..14980, 15065..15232, 15357..15450,
 15539..15639, 15747..15860, 16200..16271, 16349..16435,
 16537..16656, 16963..17137, 17229..17317, 17879..17962,
 18192..18395

GI Descrip. (X98130) alpha-mannosidase [Arabidopsis thaliana]
 gi_1890154_emb_CAA72432_(Y11767) alpha-mannosidase precursor
 [Arabidopsis thaliana]

Seq. No. 34782 Seq. ID OJ990428_29.9922.C11
 Gene No. 71856 Strand -
 Start 9575 End 18404
 Name OJ990428_29.9922.C11.o3.gs Method GENSCAN
 Start 9575 End 18404
 GI none Score .88
 Exons 9575..9793, 9885..9953, 10387..10496, 10586..10676,
 11122..11206, 11574..11686, 12531..12650, 12808..12855,
 13245..13304, 13385..13453, 13875..13972, 14099..14318,
 14495..14551, 14674..14739, 15065..15232, 15357..15450,
 15539..15639, 15747..15860, 16200..16271, 16349..16435,
 16537..16656, 16963..17137, 17229..17317, 17538..17585,
 17879..17962, 18105..18404

Seq. No. 34782 Seq. ID OJ990428_29.9922.C11
 Gene No. 71856 Strand -
 Start 9575 End 18404
 Name OJ990428_29.9922.C11.o2.gp Method AAT/GAP
 Start 11581 End 14011
 GI 31977_1.R1084 Score 1176
 Exons 11581..11686, 12219..12284, 12531..12650, 12808..12855,
 13028..13099, 13245..13304, 13385..13453, 13875..14011
 GI Descrip. '1888357/emb|CAA66821| 4.0e-56 (X98130) alpha-mannosidase
 [Arabidopsis thaliana] >gi_1890154_emb_CAA72432_(Y11767)
 alpha-mannosidase precursor [Arabidopsis thaliana]'

Seq. No. 34782 Seq. ID OJ990428_29.9922.C11
 Gene No. 71857 Strand -
 Start 24071 End 35695
 Name OJ990428_29.9922.C11.o7.tm Method TBLASTX:Maize
 Start 3102 End 11467
 GI none Score 75
 Exons 3102..3146, 3144..3224, 3148..3246, 4355..4588, 4357..4587,

5829..5909, 5833..5910, 7293..7403, 7295..7405, 7408..7527,
7416..7526, 11405..11467

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o5.ts	Method	TBLASTX:Soybean
Start	3144	End	7526
GI	none	Score	150
Exons	3144..3224, 4357..4626, 4358..4630, 5829..5909, 5833..5907, 7295..7405, 7296..7406, 7405..7524, 7461..7526		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o5.tc	Method	TBLASTX:Cress
Start	4357	End	7523
GI	none	Score	115
Exons	4357..4584, 4433..4585, 7295..7405, 7416..7523		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o1.tw	Method	TBLASTX:Wheat
Start	9491	End	9908
GI	none	Score	59
Exons	9491..9538, 9491..9511, 9564..9794, 9565..9744, 9579..9797, 9605..9796, 9868..9906, 9882..9908		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o5.tm	Method	TBLASTX:Maize
Start	9574	End	14277
GI	none	Score	98
Exons	9574..9753, 9575..9796, 9585..9797, 9708..9812, 9882..9953, 9886..9954, 10041..10091, 10042..10089, 10487..10594, 10489..10593, 10491..10595, 10497..10595, 10670..10741, 10672..10740, 10698..10742, 10740..10781, 10750..10776, 11119..11226, 11126..11188, 11555..11695, 11574..11687, 11574..11696, 12210..12284, 12210..12293, 12211..12285, 12518..12649, 12525..12650, 12528..12650, 12532..12651, 12790..12858, 13023..13100, 13024..13101, 13025..13108, 13025..13102, 13228..13314, 13241..13306, 13242..13310, 13260..13337, 13384..13455, 13385..13453, 13386..13478, 13872..14015, 13874..14014, 14073..14276, 14100..14276, 14101..14277		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o2.tc	Method	TBLASTX:Cress
Start	9596	End	18330
GI	none	Score	61
Exons	9596..9700, 9603..9660, 9692..9796, 9693..9779, 10038..10091, 10497..10595, 10501..10593, 10670..10741, 10672..10740, 10743..10781, 11119..11229, 11119..11226, 11573..11695,		

12210..12293, 12528..12650, 12535..12648, 12793..12867,
 13025..13093, 13254..13310, 13385..13459, 13908..13997,
 14085..14318, 14116..14298, 14492..14551, 14493..14552,
 14653..14742, 14663..14740, 14946..14981, 15065..15238,
 15066..15233, 15333..15449, 15337..15450, 15353..15451,
 15355..15459, 15533..15640, 15535..15642, 15536..15640,
 15538..15642, 15743..15847, 15747..15863, 15747..15857,
 16176..16283, 16222..16284, 16355..16438, 16392..16445,
 16513..16659, 16549..16659, 16963..17136, 16964..17194,
 16976..17143, 17205..17318, 17222..17317, 17870..17968,
 18165..18326, 18187..18330

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o6.ts	Method	TBLASTX:Soybean
Start	9596	End	13465
GI	none	Score	73
Exons	9596..9772, 9605..9796, 9606..9794, 10038..10091, 10497..10607, 10501..10608, 10675..10740, 10676..10741, 10740..10781, 10750..10776, 11119..11208, 11119..11214, 11517..11678, 11567..11695, 11580..11684, 12210..12287, 12525..12650, 12528..12650, 12529..12651, 12790..12858, 13022..13111, 13028..13102, 13269..13304, 13391..13465		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o4.ts	Method	TBLASTX:Soybean
Start	13917	End	14742
GI	none	Score	92
Exons	13917..14003, 14041..14217, 14097..14348, 14133..14303, 14492..14551, 14653..14742, 14663..14740		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o2.tm	Method	TBLASTX:Maize
Start	14892	End	15863
GI	none	Score	83
Exons	14892..14972, 14908..14985, 15063..15131, 15065..15238, 15066..15233, 15357..15449, 15357..15449, 15358..15450, 15534..15641, 15535..15642, 15541..15642, 15747..15863, 15747..15860		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o3.ts	Method	TBLASTX:Soybean
Start	15534	End	15861
GI	none	Score	82
Exons	15534..15638, 15535..15642, 15536..15643, 15747..15857, 15747..15860, 15757..15861, 15787..15861		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695

Name	OJ990428_29.9922.C11.o4.tm	Method	TBLASTX:Maize
Start	16176	End	16674
GI	none	Score	95
Exons	16176..16277, 16193..16279, 16196..16273, 16325..16438, 16347..16433, 16349..16435, 16534..16659, 16537..16674, 16539..16667		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o6.tm	Method	TBLASTX:Maize
Start	16960	End	18306
GI	none	Score	178
Exons	16960..17136, 16961..17140, 17222..17317, 17223..17318, 17870..17968, 18165..18305, 18187..18306		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o8.ts	Method	TBLASTX:Soybean
Start	17056	End	17320
GI	none	Score	78
Exons	17056..17139, 17057..17140, 17205..17318, 17222..17320, 17222..17317, 17232..17318		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o7.ts	Method	TBLASTX:Soybean
Start	17870	End	18338
GI	none	Score	71
Exons	17870..17968, 17882..17965, 18165..18338, 18196..18315		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o3.gp	Method	AAT/GAP
Start	24071	End	27603
GI	99_1.R1084	Score	3289
Exons	24071..25454, 27322..27603		
GI Descrip.	'4586676/dbj BAA76438.1 0.0e+00 (AB025047) sterol 14-demethylase [Oryza sativa]'		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	24450	End	27388
GI	none	Score	202
Exons	24450..24698, 24450..25475, 24451..25215, 24735..25451, 24986..25510, 24995..25456, 25273..25479, 27312..27353, 27320..27352, 27352..27387, 27353..27388		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o1.ts	Method	TBLASTX:Soybean

Start	24450	End	25206
GI	none	Score	192
Exons	24450..24941, 24450..25046, 24463..25047, 25047..25163, 25047..25205, 25048..25206		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o4.np	Method	AAT/NAP
Start	24456	End	27789
GI	5921924	Score	2262
Exons	24456..25454, 27322..27789		
GI Descrip.	CYTOCHROME P450 51 (CYPL1) (P450-L1A1) (OBTUSIFOLIOL 14-ALPHA DEMETHYLASE) gi 1658193 (U74319) obtusifoliol 14-alpha demethylase CYP51 [Sorghum bicolor]		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o3.tc	Method	TBLASTX:Cress
Start	24468	End	24812
GI	none	Score	233
Exons	24468..24740, 24469..24666, 24720..24770, 24765..24812		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o4.tc	Method	TBLASTX:Cress
Start	24813	End	25140
GI	none	Score	44
Exons	24813..24995, 24815..24922, 24924..25139, 24931..25140		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o1.tc	Method	TBLASTX:Cress
Start	25140	End	27739
GI	none	Score	168
Exons	25140..25196, 25179..25451, 25182..25457, 25195..25479, 27320..27739, 27322..27654, 27634..27687		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o2.ts	Method	TBLASTX:Soybean
Start	25208	End	27754
GI	none	Score	67
Exons	25208..25342, 25209..25451, 25209..25475, 25273..25473, 27320..27754, 27320..27409, 27322..27687		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o5.np	Method	AAT/NAP
Start	27158	End	35695
GI	4539386	Score	88
Exons	27158..27177, 27523..27583, 28095..28453, 28489..28624,		

29830..29934, 29982..30151, 35675..35695
 GI Descrip. (AL035526) extensin-like protein [Arabidopsis thaliana]

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o3.tm	Method	TBLASTX:Maize
Start	27406	End	27795
GI	none	Score	393
Exons	27406..27795, 27407..27691, 27644..27766, 27739..27795		

Seq. No.	34782	Seq. ID	OJ990428_29.9922.C11
Gene No.	71857	Strand	-
Start	24071	End	35695
Name	OJ990428_29.9922.C11.o7.gs	Method	GENSCAN
Start	35366	End	35497
GI	none	Score	.96
Exons	35366..35497		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71858	Strand	+
Start	2576	End	4849
Name	OJ990428_29.9922.C12.o1.gs	Method	GENSCAN
Start	2576	End	4769
GI	none	Score	.49
Exons	2576..2893, 2899..3061, 3343..3533, 4070..4345, 4563..4769		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71858	Strand	+
Start	2576	End	4849
Name	OJ990428_29.9922.C12.o1.np	Method	AAT/NAP
Start	2596	End	4849
GI	6815107	Score	408
Exons	2596..3367, 3413..3554, 3668..3894, 4155..4441, 4593..4849		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71859	Strand	+
Start	8430	End	25561
Name	OJ990428_29.9922.C12.o3.np	Method	AAT/NAP
Start	8430	End	15800
GI	4680207	Score	1067
Exons	8430..8459, 11687..12553, 13380..14717, 14775..15269, 15636..15800		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71859	Strand	+
Start	8430	End	25561
Name	OJ990428_29.9922.C12.o3.gs	Method	GENSCAN
Start	11688	End	25561
GI	none	Score	.64
Exons	11688..12553, 13296..14251, 14305..14764, 14801..14967, 15509..15630, 15737..16003, 16087..16284, 17108..17374, 17482..17679, 18074..18292, 20882..21044, 21233..22038,		

22243..23191, 23293..23424, 23987..24136, 24543..25561

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71859	Strand	+
Start	8430	End	25561
Name	OJ990428_29.9922.C12.o4.np	Method	AAT/NAP
Start	11969	End	17285
GI	3033389	Score	28
Exons	11969..11999, 14305..14376, 14436..14630, 17247..17285		
GI Descrip.	(AC004238) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71859	Strand	+
Start	8430	End	25561
Name	OJ990428_29.9922.C12.o6.np	Method	AAT/NAP
Start	15424	End	15973
GI	121528	Score	256
Exons	15424..15616, 15726..15973		
GI Descrip.	GOS9 PROTEIN gi 100683 pir S19115 GOS9 protein - rice gi 20242 emb CAA36189 (X51909) GOS9 [Oryza sativa]		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71859	Strand	+
Start	8430	End	25561
Name	OJ990428_29.9922.C12.o7.np	Method	AAT/NAP
Start	15433	End	15976
GI	1167955	Score	344
Exons	15433..15616, 15726..15976		
GI Descrip.	(U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum vulgare] gi 2465428 (AF021257) 32 kDa protein [Hordeum vulgare]		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71859	Strand	+
Start	8430	End	25561
Name	OJ990428_29.9922.C12.o5.np	Method	AAT/NAP
Start	15436	End	15976
GI	1167955	Score	318
Exons	15436..15616, 15726..15976		
GI Descrip.	(U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum vulgare] gi 2465428 (AF021257) 32 kDa protein [Hordeum vulgare]		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71859	Strand	+
Start	8430	End	25561
Name	OJ990428_29.9922.C12.o8.np	Method	AAT/NAP
Start	16936	End	23295
GI	6691191	Score	2229
Exons	16936..16958, 20925..23295		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71859	Strand	+
Start	8430	End	25561
Name	OJ990428_29.9922.C12.o9.np	Method	AAT/NAP
Start	23289	End	23849
GI	6063557	Score	378

Exons 23289..23468, 23717..23849
GI Descrip. (AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71860	Strand	+
Start	25826	End	26302
Name	OJ990428_29.9922.C12.o4.gs	Method	GENSCAN
Start	25826	End	26302
GI	none	Score	.62
Exons	25826..25891, 26240..26302		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71861	Strand	-
Start	27201	End	27350
Name	OJ990428_29.9922.C12.o3.tm	Method	TBLASTX:Maize
Start	3955	End	4285
GI	none	Score	186
Exons	3955..4077, 3965..4285		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71861	Strand	-
Start	27201	End	27350
Name	OJ990428_29.9922.C12.o4.ts	Method	TBLASTX:Soybean
Start	13495	End	13893
GI	none	Score	262
Exons	13495..13893, 13527..13889		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71861	Strand	-
Start	27201	End	27350
Name	OJ990428_29.9922.C12.o6.tw	Method	TBLASTX:Wheat
Start	13810	End	14226
GI	none	Score	235
Exons	13810..14025, 13834..14043, 14064..14156, 14068..14157, 14152..14226		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71861	Strand	-
Start	27201	End	27350
Name	OJ990428_29.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	15442	End	18319
GI	none	Score	150
Exons	15442..15639, 15447..15599, 15737..15799, 15809..15862, 15811..15861, 15848..15967, 15850..15966, 16099..16287, 16104..16271, 17179..17232, 17192..17338, 17212..17337, 17487..17609, 17491..17664, 18073..18123, 18074..18124, 18176..18319, 18214..18318		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71861	Strand	-
Start	27201	End	27350
Name	OJ990428_29.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	21089	End	21486
GI	none	Score	232
Exons	21089..21277, 21101..21274, 21276..21383, 21277..21486, 21277..21462, 21420..21476		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71861	Strand	-
Start	27201	End	27350
Name	OJ990428_29.9922.C12.o2.tm	Method	TBLASTX:Maize
Start	21289	End	21633
GI	none	Score	261
Exons	21289..21633		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71861	Strand	-
Start	27201	End	27350
Name	OJ990428_29.9922.C12.o2.ts	Method	TBLASTX:Soybean
Start	21346	End	21699
GI	none	Score	65
Exons	21346..21411, 21412..21699, 21423..21644		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71861	Strand	-
Start	27201	End	27350
Name	OJ990428_29.9922.C12.o4.tw	Method	TBLASTX:Wheat
Start	21486	End	21783
GI	none	Score	269
Exons	21486..21677, 21490..21699, 21699..21782, 21700..21783		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71861	Strand	-
Start	27201	End	27350
Name	OJ990428_29.9922.C12.o4.tm	Method	TBLASTX:Maize
Start	21684	End	21927
GI	none	Score	185
Exons	21684..21845, 21709..21927		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71861	Strand	-
Start	27201	End	27350
Name	OJ990428_29.9922.C12.o3.tw	Method	TBLASTX:Wheat
Start	21796	End	22266
GI	none	Score	196
Exons	21796..21996, 21798..21980, 21988..22059, 22075..22266		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71861	Strand	-
Start	27201	End	27350
Name	OJ990428_29.9922.C12.o5.ts	Method	TBLASTX:Soybean
Start	21802	End	21980
GI	none	Score	207
Exons	21802..21942, 21802..21918, 21816..21941, 21948..21980		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71861	Strand	-
Start	27201	End	27350
Name	OJ990428_29.9922.C12.o1.tc	Method	TBLASTX:Cress
Start	21979	End	22362
GI	none	Score	51
Exons	21979..22056, 22060..22362, 22212..22334		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
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Gene No.	71861	Strand	-
Start	27201	End	27350
Name	OJ990428_29.9922.C12.o3.ts	Method	TBLASTX:Soybean
Start	22383	End	22707
GI	none	Score	75
Exons	22383..22424, 22384..22425, 22422..22706, 22423..22707		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71861	Strand	-
Start	27201	End	27350
Name	OJ990428_29.9922.C12.o5.tw	Method	TBLASTX:Wheat
Start	22384	End	22716
GI	none	Score	265
Exons	22384..22716, 22389..22664		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71861	Strand	-
Start	27201	End	27350
Name	OJ990428_29.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	22708	End	23196
GI	none	Score	377
Exons	22708..23097, 22710..22946, 23110..23196		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71861	Strand	-
Start	27201	End	27350
Name	OJ990428_29.9922.C12.o2.tw	Method	TBLASTX:Wheat
Start	22719	End	23100
GI	none	Score	407
Exons	22719..22742, 22720..23100, 22776..22937		

Seq. No.	34783	Seq. ID	OJ990428_29.9922.C12
Gene No.	71861	Strand	-
Start	27201	End	27350
Name	OJ990428_29.9922.C12.o5.gs	Method	GENSCAN
Start	27201	End	27350
GI	none	Score	.59
Exons	27201..27350		

Seq. No.	34784	Seq. ID	OJ990428_29.9922.C13
Gene No.	71862	Strand	+
Start	1	End	3671
Name	OJ990428_29.9922.C13.o1.np	Method	AAT/NAP
Start	1	End	2089
GI	5852181	Score	142
Exons	1..24, 695..951, 1944..2089		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	34784	Seq. ID	OJ990428_29.9922.C13
Gene No.	71862	Strand	+
Start	1	End	3671
Name	OJ990428_29.9922.C13.o2.np	Method	AAT/NAP
Start	1	End	3605
GI	6721512	Score	180
Exons	1..24, 1704..1819, 1847..1979, 2022..2059, 2173..2211, 3523..3605		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	34784	Seq. ID	OJ990428_29.9922.C13
Gene No.	71862	Strand	+
Start	1	End	3671
Name	OJ990428_29.9922.C13.o1.gs	Method	GENSCAN
Start	780	End	3671
GI	none	Score	.59
Exons	780..906, 1152..1218, 1765..1975, 3362..3492, 3627..3671		

Seq. No.	34784	Seq. ID	OJ990428_29.9922.C13
Gene No.	71863	Strand	-
Start	3793	End	4049
Name	OJ990428_29.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	3696	End	3928
GI	none	Score	54
Exons	3696..3746, 3697..3747, 3698..3745, 3739..3795, 3739..3780, 3744..3797, 3791..3928, 3796..3918, 3812..3928		

Seq. No.	34784	Seq. ID	OJ990428_29.9922.C13
Gene No.	71863	Strand	-
Start	3793	End	4049
Name	OJ990428_29.9922.C13.o2.gs	Method	GENSCAN
Start	3793	End	4049
GI	none	Score	.92
Exons	3793..4049		

Seq. No.	34785	Seq. ID	OJ990428_29.9922.C14
Gene No.	71864	Strand	+
Start	306	End	2399
Name	OJ990428_29.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	293	End	818
GI	none	Score	225
Exons	293..697, 296..619, 616..720, 617..661, 722..805, 722..817, 771..818		

Seq. No.	34785	Seq. ID	OJ990428_29.9922.C14
Gene No.	71864	Strand	+
Start	306	End	2399
Name	OJ990428_29.9922.C14.o1.gs	Method	GENSCAN
Start	306	End	2399
GI	none	Score	.92
Exons	306..405, 2052..2399		

Seq. No.	34786	Seq. ID	OJ990428_29.9922.C15
Gene No.	71865	Strand	+
Start	1	End	965
Name	OJ990428_29.9922.C15.o1.np	Method	AAT/NAP
Start	1	End	965
GI	6705984	Score	428
Exons	1..965		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	34786	Seq. ID	OJ990428_29.9922.C15
Gene No.	71865	Strand	+
Start	1	End	965
Name	OJ990428_29.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	334	End	648

GI	none	Score	284
Exons	334..615, 354..581, 617..643, 619..648		
Seq. No.	34787	Seq. ID	OJ990428_29.9922.C16
Gene No.	71866	Strand	+
Start	750	End	2359
Name	OJ990428_29.9922.C16.o1.np	Method	AAT/NAP
Start	750	End	972
GI	730141	Score	177
Exons	750..972		
GI Descrip.	NITRATE REDUCTASE [NAD(P)H] (NR) gi 100900 pir S24544 nitrate reductase (NAD(P)H) (EC 1.6.6.2) - maize (fragment) gi 22377 emb CAA45776 (X64446) nitrate reductase (NAD(P)H) [Zea mays]		

Seq. No.	34787	Seq. ID	OJ990428_29.9922.C16
Gene No.	71866	Strand	+
Start	750	End	2359
Name	OJ990428_29.9922.C16.o1.gs	Method	GENSCAN
Start	864	End	2359
GI	none	Score	.7
Exons	864..1107, 1941..2359		

Seq. No.	34787	Seq. ID	OJ990428_29.9922.C16
Gene No.	71867	Strand	+
Start	3707	End	5488
Name	OJ990428_29.9922.C16.o2.np	Method	AAT/NAP
Start	3707	End	5488
GI	3335361	Score	321
Exons	3707..3895, 4004..4115, 5467..5488		
GI Descrip.	(AC003028) putative acetyltransferase [Arabidopsis thaliana]		

Seq. No.	34787	Seq. ID	OJ990428_29.9922.C16
Gene No.	71868	Strand	-
Start	3494	End	4417
Name	OJ990428_29.9922.C16.o2.gs	Method	GENSCAN
Start	3494	End	4417
GI	none	Score	.67
Exons	3494..4417		

Seq. No.	34787	Seq. ID	OJ990428_29.9922.C16
Gene No.	71868	Strand	-
Start	3494	End	4417
Name	OJ990428_29.9922.C16.o1.tm	Method	TBLASTX:Maize
Start	3742	End	4114
GI	none	Score	235
Exons	3742..3882, 3743..3883, 3965..4114, 3988..4113		

Seq. No.	34787	Seq. ID	OJ990428_29.9922.C16
Gene No.	71868	Strand	-
Start	3494	End	4417
Name	OJ990428_29.9922.C16.o1.ts	Method	TBLASTX:Soybean
Start	3748	End	4146
GI	none	Score	229
Exons	3748..3870, 3749..3883, 4006..4146, 4007..4114		

Seq. No.	34787	Seq. ID	OJ990428_29.9922.C16
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Gene No.	71868	Strand	-
Start	3494	End	4417
Name	OJ990428_29.9922.C16.ol.tc	Method	TBLASTX:Cress
Start	3764	End	4114
GI	none	Score	204
Exons	3764..3883, 3772..3882, 4006..4113, 4007..4114		

Seq. No.	34788	Seq. ID	OJ990528_23.9921.C2
Gene No.	71869	Strand	+
Start	23	End	289
Name	OJ990528_23.9921.C2.ol.gs	Method	GENSCAN
Start	23	End	289
GI	none	Score	.42
Exons	23..289		

Seq. No.	34789	Seq. ID	OJ990528_23.9921.C4
Gene No.	71870	Strand	+
Start	1	End	748
Name	OJ990528_23.9921.C4.ol.np	Method	AAT/NAP
Start	1	End	748
GI	3033385	Score	286
Exons	1..21, 180..341, 668..748		

GI Descrip. (AC004238), unknown protein [Arabidopsis thaliana]

Seq. No.	34789	Seq. ID	OJ990528_23.9921.C4
Gene No.	71870	Strand	+
Start	1	End	748
Name	OJ990528_23.9921.C4.ol.tm	Method	TBLASTX:Maize
Start	155	End	748
GI	none	Score	244
Exons	155..301, 163..327, 177..347, 180..341, 668..748		

Seq. No.	34789	Seq. ID	OJ990528_23.9921.C4
Gene No.	71870	Strand	+
Start	1	End	748
Name	OJ990528_23.9921.C4.ol.gs	Method	GENSCAN
Start	180	End	353
GI	none	Score	.8
Exons	180..353		

Seq. No.	34790	Seq. ID	OJ990528_23.9921.C5
Gene No.	71871	Strand	+
Start	1	End	1169
Name	OJ990528_23.9921.C5.ol.np	Method	AAT/NAP
Start	1	End	1127
GI	3033385	Score	231
Exons	1..85, 194..384, 477..580, 677..873, 972..1127		
GI Descrip.	(AC004238) unknown protein [Arabidopsis thaliana]		

Seq. No.	34790	Seq. ID	OJ990528_23.9921.C5
Gene No.	71871	Strand	+
Start	1	End	1169
Name	OJ990528_23.9921.C5.ol.gs	Method	GENSCAN
Start	33	End	1169
GI	none	Score	.81
Exons	33..384, 477..580, 972..1169		

Seq. No.	34790	Seq. ID	OJ990528_23.9921.C5
Gene No.	71871	Strand	+
Start	1	End	1169
Name	OJ990528_23.9921.C5.o1.gp	Method	AAT/GAP
Start	291	End	1012
GI	LIB3434-041-P1-K1-C11	Score	748
Exons	291..384, 477..580, 677..873, 972..1012		
GI Descrip.	'4926825/gb AAD32935.1 AC004135_10 2.0e-35 (AC004135) T17H7.10 [Arabidopsis thaliana]'		

Seq. No.	34791	Seq. ID	OJ990528_23.9921.C6
Gene No.	71872	Strand	-
Start	1	End	578
Name	OJ990528_23.9921.C6.o1.np	Method	AAT/NAP
Start	1	End	578
GI	4895172	Score	359
Exons	1..578		
GI Descrip.	(AC007662) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34791	Seq. ID	OJ990528_23.9921.C6
Gene No.	71872	Strand	-
Start	1	End	578
Name	OJ990528_23.9921.C6.o1.tm	Method	TBLASTX:Maize
Start	67	End	544
GI	none	Score	40
Exons	67..105, 70..105, 112..174, 172..435, 175..357, 248..439, 431..505, 432..491, 509..544		

Seq. No.	34791	Seq. ID	OJ990528_23.9921.C6
Gene No.	71872	Strand	-
Start	1	End	578
Name	OJ990528_23.9921.C6.o1.tw	Method	TBLASTX:Wheat
Start	79	End	500
GI	none	Score	122
Exons	79..306, 79..315, 254..313, 255..314, 316..435, 431..499, 432..500		

Seq. No.	34792	Seq. ID	OJ990528_23.9921.C9
Gene No.	71873	Strand	+
Start	50	End	260
Name	OJ990528_23.9921.C9.o1.gs	Method	GENSCAN
Start	50	End	260
GI	none	Score	.77
Exons	50..260		

Seq. No.	34792	Seq. ID	OJ990528_23.9921.C9
Gene No.	71874	Strand	+
Start	1063	End	1142
Name	OJ990528_23.9921.C9.o2.gs	Method	GENSCAN
Start	1063	End	1142
GI	none	Score	.89
Exons	1063..1142		

Seq. No.	34793	Seq. ID	OJ990528_23.9921.C12
Gene No.	71875	Strand	+
Start	1	End	1021
Name	OJ990528_23.9921.C12.o1.np	Method	AAT/NAP

Start	1	End	1021
GI	5139348	Score	170
Exons	1..26, 263..394, 609..653, 739..878, 945..1021		
GI Descrip.	(AJ007046) [acyl-carrier protein] S-malonyltransferase [Brassica napus]		

Seq. No.	34794	Seq. ID	OJ990528_23.9921.C16
Gene No.	71876	Strand	+
Start	920	End	1265
Name	OJ990528_23.9921.C16.o2.np	Method	AAT/NAP
Start	920	End	1265
GI	6721561	Score	69
Exons	920..1006, 1249..1265		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34794	Seq. ID	OJ990528_23.9921.C16
Gene No.	71877	Strand	-
Start	1050	End	1188
Name	OJ990528_23.9921.C16.o1.np	Method	AAT/NAP
Start	798	End	917
GI	4680183	Score	128
Exons	798..917		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	34794	Seq. ID	OJ990528_23.9921.C16
Gene No.	71877	Strand	-
Start	1050	End	1188
Name	OJ990528_23.9921.C16.o1.gs	Method	GENSCAN
Start	1050	End	1188
GI	none	Score	.69
Exons	1050..1188		

Seq. No.	34795	Seq. ID	OJ990528_23.9921.C17
Gene No.	71878	Strand	+
Start	730	End	862
Name	OJ990528_23.9921.C17.o1.np	Method	AAT/NAP
Start	730	End	862
GI	2244963	Score	53
Exons	730..862		
GI Descrip.	(Z97340) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34795	Seq. ID	OJ990528_23.9921.C17
Gene No.	71879	Strand	-
Start	1057	End	1168
Name	OJ990528_23.9921.C17.o1.gs	Method	GENSCAN
Start	1057	End	1168
GI	none	Score	.76
Exons	1057..1168		

Seq. No.	34796	Seq. ID	OJ990528_23.9921.C18
Gene No.	71880	Strand	-
Start	20	End	1937
Name	OJ990528_23.9921.C18.o1.gs	Method	GENSCAN

Start	20	End	1937
GI	none	Score	.83
Exons	20..120, 256..363, 892..1061, 1923..1937		

Seq. No.	34796	Seq. ID	OJ990528_23.9921.C18
Gene No.	71881	Strand	
Start	2300	End	2702
Name	OJ990528_23.9921.C18.o1.tw	Method	TBLASTX:Wheat
Start	2300	End	2702
GI	none	Score	94
Exons	2300..2416, 2432..2533, 2539..2610, 2607..2702		

Seq. No.	34797	Seq. ID	OJ990528_23.9921.C19
Gene No.	71882	Strand	+
Start	55	End	570
Name	OJ990528_23.9921.C19.o1.gs	Method	GENSCAN
Start	55	End	570
GI	none	Score	.97
Exons	55..182, 234..570		

Seq. No.	34797	Seq. ID	OJ990528_23.9921.C19
Gene No.	71883	Strand	+
Start	799	End	5264
Name	OJ990528_23.9921.C19.o1.gp	Method	AAT/GAP
Start	799	End	5264
GI	10672_1.R1084	Score	2437
Exons	799..895, 2512..2579, 3079..3279, 3549..3828, 3914..3985, 4482..4598, 4693..4758, 4843..5264		
GI Descrip.	'82264/pir S20015 1.0e-132 ubiquinol--cytochrome-c reductase (EC 1.10.2.2) cytochrome c1 precursor (clone pC(1)8I) - potato (fragment) >gi_498789_emb_CAA56109_ (X79597) cytochrome c1 [Solanum tuberosum]'		

Seq. No.	34797	Seq. ID	OJ990528_23.9921.C19
Gene No.	71883	Strand	+
Start	799	End	5264
Name	OJ990528_23.9921.C19.o3.gs	Method	GENSCAN
Start	2520	End	4959
GI	none	Score	.95
Exons	2520..2579, 3079..3217, 3623..3828, 3914..3985, 4482..4598, 4693..4758, 4843..4959		

Seq. No.	34797	Seq. ID	OJ990528_23.9921.C19
Gene No.	71883	Strand	+
Start	799	End	5264
Name	OJ990528_23.9921.C19.o1.np	Method	AAT/NAP
Start	3119	End	4956
GI	82263	Score	1076
Exons	3119..3279, 3549..3828, 3914..3985, 4482..4598, 4693..4758, 4843..4956		
GI Descrip.	ubiquinol--cytochrome-c reductase (EC 1.10.2.2) cytochrome c1 precursor (clone pC(1)3II) - potato		

Seq. No.	34797	Seq. ID	OJ990528_23.9921.C19
Gene No.	71884	Strand	-
Start	711	End	1291
Name	OJ990528_23.9921.C19.o2.gs	Method	GENSCAN

Start 711
GI none
Exons 711..989, 1103..1291

End 1291
Score .72

Seq. No. 34797
Gene No. 71885
Start 7512
Name OJ990528_23.9921.C19.o2.gp
Start 7455
GI LIB3433-034-P1-K1-D10
Exons 7455..7720, 8520..8675
GI Descrip. '4959460/gb|AF126053.1|AF126053 1.0e-10 Zea mays RACB small GTP binding protein mRNA, complete cds'

Seq. ID OJ990528_23.9921.C19
Strand -
End 8900
Method AAT/GAP
End 8675
Score 701

Seq. No. 34797
Gene No. 71885
Start 7512
Name OJ990528_23.9921.C19.o4.gs
Start 7512
GI none
Exons 7512..7720, 8520..8687, 8785..8900

Seq. ID OJ990528_23.9921.C19
Strand -
End 8900
Method GENSCAN
End 8900
Score .98

Seq. No. 34797
Gene No. 71886
Start 10833
Name OJ990528_23.9921.C19.o1.tm
Start 2513
GI none
Exons 2513..2566, 2516..2575, 2520..2579, 3045..3245, 3084..3227, 3245..3280, 3246..3278, 3547..3828, 3549..3833, 3564..3830, 3710..3835, 3896..3988, 3911..3985, 4478..4597, 4479..4604, 4482..4601, 4646..4750, 4690..4761, 4692..4757, 4841..5050, 4842..5054, 4843..4998, 5039..5053, 5071..5112

Seq. ID OJ990528_23.9921.C19
Strand -
End 10898
Method TBLASTX:Maize
End 5112
Score 68

Seq. No. 34797
Gene No. 71886
Start 10833
Name OJ990528_23.9921.C19.o1.ts
Start 3135
GI none
Exons 3135..3245, 3181..3246, 3245..3280, 3547..3828, 3549..3824, 3896..3988, 3922..3981, 4481..4543, 4488..4544

Seq. ID OJ990528_23.9921.C19
Strand -
End 10898
Method TBLASTX:Soybean
End 4544
Score 65

Seq. No. 34797
Gene No. 71886
Start 10833
Name OJ990528_23.9921.C19.o1.tc
Start 3168
GI none
Exons 3168..3245, 3181..3246, 3245..3280, 3246..3275, 3547..3828, 3549..3824, 3555..3830, 3896..3991, 3913..4041, 3922..3993, 4480..4599, 4481..4594, 4482..4601, 4686..4754, 4688..4756, 4689..4757, 4690..4761, 4836..4928, 4842..4955, 4843..4959

Seq. ID OJ990528_23.9921.C19
Strand -
End 10898
Method TBLASTX:Cress
End 4959
Score 78

Seq. No. 34797
Gene No. 71886
Start 10833

Seq. ID OJ990528_23.9921.C19
Strand -
End 10898

Name	OJ990528_23.9921.C19.o2.ts	Method	TBLASTX:Soybean
Start	4575	End	4989
GI	none	Score	42
Exons	4575..4601, 4686..4757, 4690..4761, 4692..4757, 4842..4958, 4842..4955, 4843..4989, 4843..4989		

Seq. No.	34797	Seq. ID	OJ990528_23.9921.C19
Gene No.	71886	Strand	-
Start	10833	End	10898
Name	OJ990528_23.9921.C19.o2.tm	Method	TBLASTX:Maize
Start	7473	End	8902
GI	none	Score	117
Exons	7473..7715, 7476..7721, 7481..7726, 8525..8686, 8576..8689, 8590..8688, 8766..8900, 8771..8893, 8783..8902, 8784..8897		

Seq. No.	34797	Seq. ID	OJ990528_23.9921.C19
Gene No.	71886	Strand	-
Start	10833	End	10898
Name	OJ990528_23.9921.C19.o1.tw	Method	TBLASTX:Wheat
Start	7536	End	8641
GI	none	Score	120
Exons	7536..7715, 7542..7721, 7544..7726, 8528..8638, 8576..8641, 8587..8640		

Seq. No.	34797	Seq. ID	OJ990528_23.9921.C19
Gene No.	71886	Strand	-
Start	10833	End	10898
Name	OJ990528_23.9921.C19.o3.ts	Method	TBLASTX:Soybean
Start	8585	End	8896
GI	none	Score	56
Exons	8585..8665, 8587..8664, 8766..8894, 8768..8893, 8783..8896		

Seq. No.	34797	Seq. ID	OJ990528_23.9921.C19
Gene No.	71886	Strand	-
Start	10833	End	10898
Name	OJ990528_23.9921.C19.o2.tc	Method	TBLASTX:Cress
Start	8590	End	8901
GI	none	Score	139
Exons	8590..8670, 8757..8894, 8771..8893, 8773..8901		

Seq. No.	34797	Seq. ID	OJ990528_23.9921.C19
Gene No.	71886	Strand	-
Start	10833	End	10898
Name	OJ990528_23.9921.C19.o3.gp	Method	AAT/GAP
Start	10833	End	10898
GI	LIB3477-003-P1-K1-E9	Score	86
Exons	10833..10898		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S.I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	34798	Seq. ID	OJ990528_23.9921.C20
Gene No.	71887	Strand	-
Start	846	End	1233
Name	OJ990528_23.9921.C20.o1.gs	Method	GENSCAN
Start	846	End	1233
GI	none	Score	.46

Exons 846..1233

Seq. No. 34799 Seq. ID OJ990528_23.9921.C21
Gene No. 71888 Strand -
Start 1 End 3991
Name OJ990528_23.9921.C21.o1.gp Method AAT/GAP
Start 1 End 1708
GI 35940_1.R1084 Score 1348
Exons 1..442, 603..827, 1678..1708
GI Descrip. '5918187/emb|CAB56225.1| 3.0e-58 (AJ133278) ribophorin I
[Hordeum vulgare]'

Seq. No. 34799 Seq. ID OJ990528_23.9921.C21
Gene No. 71888 Strand -
Start 1 End 3991
Name OJ990528_23.9921.C21.o2.tm Method TBLASTX:Maize
Start 73 End 828
GI none Score 46
Exons 73..111, 227..451, 231..443, 600..788, 601..828, 665..790

Seq. No. 34799 Seq. ID OJ990528_23.9921.C21
Gene No. 71888 Strand -
Start 1 End 3991
Name OJ990528_23.9921.C21.o3.tc Method TBLASTX:Cress
Start 251 End 445
GI none Score 153
Exons 251..445, 255..443

Seq. No. 34799 Seq. ID OJ990528_23.9921.C21
Gene No. 71888 Strand -
Start 1 End 3991
Name OJ990528_23.9921.C21.o1.gs Method GENSCAN
Start 262 End 3832
GI none Score .66
Exons 262..442, 603..827, 2048..2137, 2241..2309, 2689..2865,
2962..3013, 3204..3832

Seq. No. 34799 Seq. ID OJ990528_23.9921.C21
Gene No. 71888 Strand -
Start 1 End 3991
Name OJ990528_23.9921.C21.o1.ts Method TBLASTX:Soybean
Start 1675 End 3419
GI none Score 144
Exons 1675..1845, 1676..1837, 1677..1838, 1677..1847, 2045..2140,
2046..2135, 2241..2321, 2242..2310, 2675..2860, 2677..2868,
2710..2868, 2951..3082, 2953..3120, 2970..3083, 3174..3293,
3201..3419, 3203..3418, 3333..3419

Seq. No. 34799 Seq. ID OJ990528_23.9921.C21
Gene No. 71888 Strand -
Start 1 End 3991
Name OJ990528_23.9921.C21.o1.np Method AAT/NAP
Start 1678 End 3991
GI 2894378 Score 1786
Exons 1678..1836, 2048..2131, 2241..2309, 2689..2865, 2962..3109,
3204..3991
GI Descrip. (Y14573) putative ribophorin I homologue [Hordeum vulgare]

Seq. No.	34799	Seq. ID	OJ990528_23.9921.C21
Gene No.	71888	Strand	-
Start	1	End	3991
Name	OJ990528_23.9921.C21.o1.tm	Method	TBLASTX:Maize
Start	1685	End	3847
GI	none	Score	71
Exons	1685..1741, 1687..1740, 1751..1837, 1753..1839, 1754..1843, 1759..1845, 1767..1844, 2045..2140, 2046..2138, 2238..2321, 2239..2310, 2256..2321, 2675..2860, 2677..2871, 2951..3115, 2953..3120, 3199..3447, 3203..3448, 3203..3454, 3452..3829, 3453..3830, 3453..3833, 3455..3847		

Seq. No.	34799	Seq. ID	OJ990528_23.9921.C21
Gene No.	71888	Strand	-
Start	1	End	3991
Name	OJ990528_23.9921.C21.o1.tc	Method	TBLASTX:Cress
Start	2779	End	3433
GI	none	Score	94
Exons	2779..2868, 2789..2860, 2950..3120, 2951..3094, 3203..3322, 3203..3340, 3371..3433, 3372..3425		

Seq. No.	34799	Seq. ID	OJ990528_23.9921.C21
Gene No.	71888	Strand	-
Start	1	End	3991
Name	OJ990528_23.9921.C21.o2.gp	Method	AAT/GAP
Start	3196	End	3581
GI	2312454	Score	706
Exons	3196..3581		
GI Descrip.	2894378/emb CAA74910.1 2.0e-51 (Y14573) putative ribophorin I homologue [Hordeum vulgare]		

Seq. No.	34799	Seq. ID	OJ990528_23.9921.C21
Gene No.	71888	Strand	-
Start	1	End	3991
Name	OJ990528_23.9921.C21.o2.ts	Method	TBLASTX:Soybean
Start	3422	End	3676
GI	none	Score	138
Exons	3422..3676, 3423..3653, 3434..3664		

Seq. No.	34799	Seq. ID	OJ990528_23.9921.C21
Gene No.	71888	Strand	-
Start	1	End	3991
Name	OJ990528_23.9921.C21.o2.tc	Method	TBLASTX:Cress
Start	3434	End	3832
GI	none	Score	79
Exons	3434..3730, 3435..3653, 3692..3832		

Seq. No.	34799	Seq. ID	OJ990528_23.9921.C21
Gene No.	71888	Strand	-
Start	1	End	3991
Name	OJ990528_23.9921.C21.o3.gp	Method	AAT/GAP
Start	3600	End	3834
GI	32381_1.R1084	Score	425
Exons	3600..3834		
GI Descrip.	'2894378/emb CAA74910.1 6.0e-38 (Y14573) putative ribophorin I homologue [Hordeum vulgare]'		

Seq. No.	34800	Seq. ID	OJ990528_23.9921.C22
Gene No.	71889	Strand	-
Start	1	End	385
Name	OJ990528_23.9921.C22.o1.np	Method	AAT/NAP
Start	1	End	330
GI	2894378	Score	125
Exons	1..104, 223..330		
GI Descrip.	(Y14573) putative ribophorin I homologue [Hordeum vulgare]		

Seq. No.	34800	Seq. ID	OJ990528_23.9921.C22
Gene No.	71889	Strand	-
Start	1	End	385
Name	OJ990528_23.9921.C22.o1.gp	Method	AAT/GAP
Start	57	End	385
GI	32381_1.R1084	Score	364
Exons	57..104, 223..385		
GI Descrip.	'2894378/emb CAA74910.1 6.0e-38 (Y14573) putative ribophorin I homologue [Hordeum vulgare]'		

Seq. No.	34800	Seq. ID	OJ990528_23.9921.C22
Gene No.	71889	Strand	-
Start	1	End	385
Name	OJ990528_23.9921.C22.o1.gs	Method	GENSCAN
Start	60	End	336
GI	none	Score	.92
Exons	60..104, 223..336		

Seq. No.	34801	Seq. ID	OJ990528_23.9921.C23
Gene No.	71890	Strand	+
Start	1467	End	1956
Name	OJ990528_23.9921.C23.o1.np	Method	AAT/NAP
Start	1464	End	1956
GI	1666236	Score	227
Exons	1464..1956		
GI Descrip.	(U76261) unknown [Hordeum vulgare]		

Seq. No.	34801	Seq. ID	OJ990528_23.9921.C23
Gene No.	71890	Strand	+
Start	1467	End	1956
Name	OJ990528_23.9921.C23.o1.gs	Method	GENSCAN
Start	1467	End	1952
GI	none	Score	.54
Exons	1467..1952		

Seq. No.	34801	Seq. ID	OJ990528_23.9921.C23
Gene No.	71891	Strand	+
Start	2808	End	2893
Name	OJ990528_23.9921.C23.o1.tw	Method	TBLASTX:Wheat
Start	1632	End	1966
GI	none	Score	105
Exons	1632..1748, 1764..1838, 1847..1966		

Seq. No.	34801	Seq. ID	OJ990528_23.9921.C23
Gene No.	71891	Strand	+
Start	2808	End	2893
Name	OJ990528_23.9921.C23.o1.gp	Method	AAT/GAP

Start	2808	End	2893
GI	uC-osflcyp088b12b1	Score	135
Exons	2808..2893		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	34802	Seq. ID	OJ990528_23.9921.C24
Gene No.	71892	Strand	+
Start	466	End	1134
Name	OJ990528_23.9921.C24.o1.gs	Method	GENSCAN
Start	466	End	1134
GI	none	Score	.41
Exons	466..634, 1085..1134		

Seq. No.	34802	Seq. ID	OJ990528_23.9921.C24
Gene No.	71893	Strand	+
Start	1838	End	2147
Name	OJ990528_23.9921.C24.o2.gs	Method	GENSCAN
Start	1838	End	2147
GI	none	Score	.52
Exons	1838..1904, 1942..2147		

Seq. No.	34802	Seq. ID	OJ990528_23.9921.C24
Gene No.	71894	Strand	+
Start	961	End	1388
Name	OJ990528_23.9921.C24.o1.np	Method	AAT/NAP
Start	961	End	1388
GI	6539570	Score	91
Exons	961..1031, 1187..1388		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	34803	Seq. ID	OJ990528_23.9921.C26
Gene No.	71895	Strand	+
Start	921	End	2300
Name	OJ990528_23.9921.C26.o1.tc	Method	TBLASTX:Cress
Start	908	End	1760
GI	none	Score	61
Exons	908..1000, 1005..1523, 1528..1557, 1659..1760		

Seq. No.	34803	Seq. ID	OJ990528_23.9921.C26
Gene No.	71895	Strand	+
Start	921	End	2300
Name	OJ990528_23.9921.C26.o1.np	Method	AAT/NAP
Start	921	End	1523
GI	3283026	Score	263
Exons	921..1523		
GI Descrip.	(AF051562) putative transposase [Arabidopsis thaliana]		

Seq. No.	34803	Seq. ID	OJ990528_23.9921.C26
Gene No.	71895	Strand	+
Start	921	End	2300
Name	OJ990528_23.9921.C26.o1.gs	Method	GENSCAN
Start	990	End	2300
GI	none	Score	.56
Exons	990..1298, 1377..1534, 2165..2300		

Seq. No.	34803	Seq. ID	OJ990528_23.9921.C26
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Gene No.	71895	Strand	+
Start	921	End	2300
Name	OJ990528_23.9921.C26.o1.tm	Method	TBLASTX:Maize
Start	1002	End	1343
GI	none	Score	70
Exons	1002..1079, 1009..1080, 1017..1118, 1155..1343, 1157..1255, 1230..1343		

Seq. No.	34803	Seq. ID	OJ990528_23.9921.C26
Gene No.	71895	Strand	+
Start	921	End	2300
Name	OJ990528_23.9921.C26.o2.tm	Method	TBLASTX:Maize
Start	1523	End	1913
GI	none	Score	47
Exons	1523..1561, 1528..1563, 1662..1856, 1662..1856, 1663..1857, 1664..1861, 1854..1910, 1866..1913		

Seq. No.	34804	Seq. ID	OJ990528_23.9921.C27
Gene No.	71896	Strand	+
Start	110	End	3383
Name	OJ990528_23.9921.C27.o1.gs	Method	GENSCAN
Start	110	End	3383
GI	none	Score	44
Exons	110..210, 441..565, 908..1122, 1920..2047, 3311..3383		

Seq. No.	34805	Seq. ID	OJ990528_23.9921.C28
Gene No.	71897	Strand	-
Start	1330	End	2253
Name	OJ990528_23.9921.C28.o1.gp	Method	AAT/GAP
Start	1330	End	2253
GI	85912_1.R1084	Score	764
Exons	1330..1700, 2198..2253		
GI Descrip.	'4324617/gb AF106619 AF106619 4.0e-36 Cloning vector pDR1149 complete sequence'		

Seq. No.	34806	Seq. ID	OJ990528_23.9921.C29
Gene No.	71898	Strand	-
Start	195	End	5017
Name	OJ990528_23.9921.C29.o1.np	Method	AAT/NAP
Start	195	End	4699
GI	6728879	Score	409
Exons	195..334, 423..584, 725..839, 916..988, 1080..1265, 1350..1489, 3431..3693, 3838..3988, 4088..4204, 4269..4369, 4589..4699		
GI Descrip.	(AC008113) F12A21.7 [Arabidopsis thaliana]		

Seq. No.	34806	Seq. ID	OJ990528_23.9921.C29
Gene No.	71898	Strand	-
Start	195	End	5017
Name	OJ990528_23.9921.C29.o1.gs	Method	GENSCAN
Start	241	End	5017
GI	none	Score	.9
Exons	241..334, 695..839, 1160..1271, 1350..1489, 3431..3721, 3838..3988, 4088..4174, 4269..5017		

Seq. No.	34806	Seq. ID	OJ990528_23.9921.C29
Gene No.	71898	Strand	-
Start	195	End	5017

Name	OJ990528_23.9921.C29.o1.tm	Method	TBLASTX:Maize
Start	1076	End	1273
GI	none	Score	115
Exons	1076..1222, 1078..1257, 1079..1273, 1080..1256, 1081..1257		

Seq. No.	34806	Seq. ID	OJ990528_23.9921.C29
Gene No.	71898	Strand	-
Start	195	End	5017
Name	OJ990528_23.9921.C29.o2.tm	Method	TBLASTX:Maize
Start	3875	End	4649
GI	none	Score	116
Exons	3875..3991, 3877..3996, 4088..4204, 4090..4176, 4091..4177, 4262..4342, 4317..4370, 4319..4372, 4589..4648, 4590..4649		

Seq. No.	34807	Seq. ID	OJ990528_23.9921.C31
Gene No.	71899	Strand	+
Start	1	End	672
Name	OJ990528_23.9921.C31.o1.np	Method	AAT/NAP
Start	1	End	672
GI	5852084	Score	92
Exons	1..53, 555..672		

GI Descrip. (AL117264) zwh0007.1 [Oryza sativa]

Seq. No.	34808	Seq. ID	OJ990528_23.9921.C32
Gene No.	71900	Strand	+
Start	128	End	232
Name	OJ990528_23.9921.C32.o1.gs	Method	GENSCAN
Start	128	End	232
GI	none	Score	.77
Exons	128..232		

Seq. No.	34809	Seq. ID	OJ990528_23.9921.C33
Gene No.	71901	Strand	+
Start	164	End	1132
Name	OJ990528_23.9921.C33.o1.gs	Method	GENSCAN
Start	164	End	1132
GI	none	Score	.85
Exons	164..171, 414..607, 1044..1132		

Seq. No.	34810	Seq. ID	OJ990528_23.9921.C34
Gene No.	71902	Strand	-
Start	1920	End	3534
Name	OJ990528_23.9921.C34.o1.gs	Method	GENSCAN
Start	1920	End	3534
GI	none	Score	.75
Exons	1920..2026, 3417..3534		

Seq. No.	34810	Seq. ID	OJ990528_23.9921.C34
Gene No.	71903	Strand	-
Start	3817	End	4031
Name	OJ990528_23.9921.C34.o1.np	Method	AAT/NAP
Start	3817	End	4031
GI	4538624	Score	71
Exons	3817..4031		
GI Descrip.	(AJ133502) hypothetical protein [Nicotiana tabacum]		

Seq. No.	34811	Seq. ID	OJ990528_23.9921.C36
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Gene No. 71904
 Start 86
 Name OJ990528_23.9921.C36.o1.gs
 Start 86
 GI none
 Exons 86..199, 788..871, 1292..1357

Strand +
 End 1357
 Method GENSCAN
 End 1357
 Score .65

Seq. No. 34811
 Gene No. 71905
 Start 1917
 Name OJ990528_23.9921.C36.o1.tm
 Start 118
 GI none
 Exons 118..204, 125..202, 2383..2433, 2433..2489, 2485..2682, 2703..2807, 2724..2816, 2726..2818

Seq. ID OJ990528_23.9921.C36
 Strand -
 End 2818
 Method TBLASTX:Maize
 End 2818
 Score 88

Seq. No. 34811
 Gene No. 71905
 Start 1917
 Name OJ990528_23.9921.C36.o2.gs
 Start 1917
 GI none
 Exons 1917..2054, 2223..2365, 2484..2574

Seq. ID OJ990528_23.9921.C36
 Strand -
 End 2818
 Method GENSCAN
 End 2574
 Score 94

Seq. No. 34812
 Gene No. 71906
 Start 1
 Name OJ990528_23.9921.C37.o1.np
 Start 1
 GI 5262163
 Exons 1..24, 150..532
 GI Descrip. (AL080253) putative protein [Arabidopsis thaliana]

Seq. ID OJ990528_23.9921.C37
 Strand +
 End 532
 Method AAT/NAP
 End 532
 Score 222

Seq. No. 34812
 Gene No. 71906
 Start 1
 Name OJ990528_23.9921.C37.o1.tm
 Start 1
 GI none
 Exons 1..24, 144..242, 148..258, 149..244, 245..319, 246..320, 318..371

Seq. ID OJ990528_23.9921.C37
 Strand +
 End 532
 Method TBLASTX:Maize
 End 371
 Score 96

Seq. No. 34813
 Gene No. 71907
 Start 632
 Name OJ990528_23.9921.C41.o1.gs
 Start 632
 GI none
 Exons 632..879

Seq. ID OJ990528_23.9921.C41
 Strand -
 End 879
 Method GENSCAN
 End 879
 Score .91

Seq. No. 34814
 Gene No. 71908
 Start 4455
 Name OJ990528_23.9921.C42.o3.np
 Start 4455
 GI 5091513
 Exons 4455..4475, 6258..6877

Seq. ID OJ990528_23.9921.C42
 Strand +
 End 6877
 Method AAT/NAP
 End 6877
 Score 601

GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No.	34814	Seq. ID	OJ990528_23.9921.C42
Gene No.	71908	Strand	+
Start	4455	End	6877
Name	OJ990528_23.9921.C42.o1.gp	Method	AAT/GAP
Start	4627	End	4844
GI	8022_1.R1084	Score	288
Exons	4627..4844		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	34814	Seq. ID	OJ990528_23.9921.C42
Gene No.	71908	Strand	+
Start	4455	End	6877
Name	OJ990528_23.9921.C42.o2.gp	Method	AAT/GAP
Start	4843	End	5150
GI	72524_1.R1084	Score	428
Exons	4843..5150		
GI Descrip.	'5091496/dbj AB023482.2 AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	34814	Seq. ID	OJ990528_23.9921.C42
Gene No.	71908	Strand	+
Start	4455	End	6877
Name	OJ990528_23.9921.C42.o3.gs	Method	GENSCAN
Start	6415	End	6862
GI	none	Score	.93
Exons	6415..6570, 6662..6862		

Seq. No.	34814	Seq. ID	OJ990528_23.9921.C42
Gene No.	71909	Strand	-
Start	1	End	3395
Name	OJ990528_23.9921.C42.o1.np	Method	AAT/NAP
Start	1	End	1707
GI	6907089	Score	255
Exons	1..211, 837..1017, 1094..1707		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	34814	Seq. ID	OJ990528_23.9921.C42
Gene No.	71909	Strand	-
Start	1	End	3395
Name	OJ990528_23.9921.C42.o1.gs	Method	GENSCAN
Start	55	End	3395
GI	none	Score	.69
Exons	55..307, 599..793, 862..986, 1081..1239, 1702..1918, 2426..2463, 2510..2618, 2748..2813, 3393..3395		

Seq. No.	34814	Seq. ID	OJ990528_23.9921.C42
Gene No.	71909	Strand	-
Start	1	End	3395
Name	OJ990528_23.9921.C42.o2.np	Method	AAT/NAP
Start	2423	End	2754
GI	6721512	Score	136
Exons	2423..2463, 2506..2648, 2676..2754		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	34814	Seq. ID	OJ990528_23.9921.C42
Gene No.	71910	Strand	-
Start	4341	End	4879
Name	OJ990528_23.9921.C42.o2.gs	Method	GENSCAN
Start	4341	End	4879
GI	none	Score	.82
Exons	4341..4455, 4869..4879		

Seq. No.	34815	Seq. ID	OJ990528_23.9921.C43
Gene No.	71911	Strand	+
Start	1	End	2402
Name	OJ990528_23.9921.C43.o1.np	Method	AAT/NAP
Start	1	End	2402
GI	5091513	Score	236
Exons	1..315, 768..970, 1121..1537, 2369..2402		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	34815	Seq. ID	OJ990528_23.9921.C43
Gene No.	71912	Strand	-
Start	1083	End	1531
Name	OJ990528_23.9921.C43.o2.gs	Method	GENSCAN
Start	1083	End	1531
GI	none	Score	81
Exons	1083..1200, 1452..1531		

Seq. No.	34816	Seq. ID	OJ990528_23.9921.C44
Gene No.	71913	Strand	+
Start	1	End	3724
Name	OJ990528_23.9921.C44.o1.np	Method	AAT/NAP
Start	1	End	3724
GI	6815052	Score	2218
Exons	1..116, 414..513, 1372..1464, 2247..2382, 2431..3168, 3250..3324, 3606..3724		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	34816	Seq. ID	OJ990528_23.9921.C44
Gene No.	71914	Strand	-
Start	3568	End	4188
Name	OJ990528_23.9921.C44.o1.tw	Method	TBLASTX:Wheat
Start	1698	End	2192
GI	none	Score	304
Exons	1698..2192, 1722..1988, 1970..2092		

Seq. No.	34816	Seq. ID	OJ990528_23.9921.C44
Gene No.	71914	Strand	-
Start	3568	End	4188
Name	OJ990528_23.9921.C44.o2.gs	Method	GENSCAN
Start	3568	End	4188
GI	none	Score	.75
Exons	3568..3764, 4017..4188		

Seq. No.	34817	Seq. ID	OJ990528_23.9921.C45
Gene No.	71915	Strand	+
Start	63	End	265
Name	OJ990528_23.9921.C45.o1.gs	Method	GENSCAN
Start	63	End	265
GI	none	Score	.74

Exons 63..194, 248..265

Seq. No.	34818	Seq. ID	OJ990528_23.9921.C46
Gene No.	71916	Strand	+
Start	346	End	446
Name	OJ990528_23.9921.C46.o1.gs	Method	GENSCAN
Start	346	End	446
GI	none	Score	.79
Exons	346..446		

Seq. No.	34819	Seq. ID	OJ990528_23.9921.C47
Gene No.	71917	Strand	-
Start	197	End	320
Name	OJ990528_23.9921.C47.o1.gs	Method	GENSCAN
Start	197	End	320
GI	none	Score	.9
Exons	197..320		

Seq. No.	34820	Seq. ID	OJ990528_23.9921.C48
Gene No.	71918	Strand	+
Start	527	End	628
Name	OJ990528_23.9921.C48.o1.gs	Method	GENSCAN
Start	527	End	628
GI	none	Score	.56
Exons	527..628		

Seq. No.	34821	Seq. ID	OJ990428_20.9924.C2
Gene No.	71919	Strand	+
Start	10	End	549
Name	OJ990428_20.9924.C2.o1.gs	Method	GENSCAN
Start	10	End	549
GI	none	Score	.87
Exons	10..18, 418..549		

Seq. No.	34821	Seq. ID	OJ990428_20.9924.C2
Gene No.	71920	Strand	-
Start	1	End	95
Name	OJ990428_20.9924.C2.o1.np	Method	AAT/NAP
Start	1	End	95
GI	6358788	Score	100
Exons	1..95		
GI-Descrip.	(AC010852) unknown protein [Arabidopsis thaliana]		

Seq. No.	34821	Seq. ID	OJ990428_20.9924.C2
Gene No.	71921	Strand	-
Start	1	End	92
Name	OJ990428_20.9924.C2.o1.gp	Method	AAT/GAP
Start	1	End	92
GI	29167_2.R1084	Score	165
Exons	1..92		
GI Descrip.	'3451072/emb CAA20468.1 2.0e-58 (AL031326) putative protein [Arabidopsis thaliana]'		

Seq. No.	34822	Seq. ID	OJ990428_20.9924.C5
Gene No.	71922	Strand	+
Start	1	End	57
Name	OJ990428_20.9924.C5.o1.gp	Method	AAT/GAP

Start	1	End	57
GI	uC-osrocyp006h05a1	Score	114
Exons	1..57		
GI Descrip.	'4680189/gb AF111710.1 AF111710 7.0e-33 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		

Seq. No.	34822	Seq. ID	OJ990428_20.9924.C5
Gene No.	71923	Strand	-
Start	87	End	319
Name	OJ990428_20.9924.C5.o1.tm	Method	TBLASTX:Maize
Start	2	End	319
GI	none	Score	50
Exons	2..46, 6..44, 59..319, 60..317		

Seq. No.	34822	Seq. ID	OJ990428_20.9924.C5
Gene No.	71923	Strand	-
Start	87	End	319
Name	OJ990428_20.9924.C5.o1.ts	Method	TBLASTX:Soybean
Start	86	End	319
GI	none	Score	72
Exons	86..319, 111..308		

Seq. No.	34822	Seq. ID	OJ990428_20.9924.C5
Gene No.	71923	Strand	-
Start	87	End	319
Name	OJ990428_20.9924.C5.o1.gs	Method	GENSCAN
Start	87	End	273
GI	none	Score	.54
Exons	87..273		

Seq. No.	34823	Seq. ID	OJ990428_20.9924.C7
Gene No.	71924	Strand	-
Start	69	End	229
Name	OJ990428_20.9924.C7.o1.gs	Method	GENSCAN
Start	69	End	229
GI	none	Score	.47
Exons	69..229		

Seq. No.	34823	Seq. ID	OJ990428_20.9924.C7
Gene No.	71925	Strand	-
Start	506	End	597
Name	OJ990428_20.9924.C7.o1.gp	Method	AAT/GAP
Start	506	End	597
GI	568662	Score	107
Exons	506..597		

GI Descrip. 4680189/gb|AF111710.1|AF111710 7.0e-33 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds

Seq. No.	34824	Seq. ID	OJ990428_20.9924.C12
Gene No.	71926	Strand	+
Start	359	End	413
Name	OJ990428_20.9924.C12.o1.gs	Method	GENSCAN
Start	359	End	413

GI	none	Score	.64
Exons	359..413		
Seq. No.	34825	Seq. ID	OJ990428_20.9924.C14
Gene No.	71927	Strand	+
Start	1	End	581
Name	OJ990428_20.9924.C14.o1.np	Method	AAT/NAP
Start	1	End	581
GI	6907088	Score	342
Exons	1..33, 102..345, 509..581		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	34825	Seq. ID	OJ990428_20.9924.C14
Gene No.	71927	Strand	+
Start	1	End	581
Name	OJ990428_20.9924.C14.o2.np	Method	AAT/NAP
Start	476	End	581
GI	6069659	Score	100
Exons	476..581		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	34826	Seq. ID	OJ990428_20.9924.C15
Gene No.	71928	Strand	-
Start	1	End	142
Name	OJ990428_20.9924.C15.o1.np	Method	AAT/NAP
Start	1	End	142
GI	5902444	Score	242
Exons	1..142		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71929	Strand	+
Start	4810	End	9031
Name	OJ990428_20.9924.C16.o2.gs	Method	GENSCAN
Start	4810	End	8709
GI	none	Score	.63
Exons	4810..4822, 6889..6962, 8380..8709		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71929	Strand	+
Start	4810	End	9031
Name	OJ990428_20.9924.C16.o2.gp	Method	AAT/GAP
Start	8309	End	9031
GI	666_12.R1084	Score	1353
Exons	8309..9031		
GI Descrip.	'3402673 2.0e-19 (AC004697) unknown protein [Arabidopsis thaliana]'		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71929	Strand	+
Start	4810	End	9031
Name	OJ990428_20.9924.C16.o2.np	Method	AAT/NAP
Start	8398	End	8706
GI	122106	Score	523
Exons	8398..8706		
GI Descrip.	HISTONE H4 gi 70771 pir HSZM4 histone H4 - maize gi 81642 pir S06904 histone H4 - Arabidopsis thaliana		

gi|2119028|pir||S60475 histone H4 - garden pea
 gi|21795|emb|CAA24924| (X00043) histone H4 [Triticum aestivum]
 gi|166740 (M17132) histone H4 [Arabidopsis thaliana] gi|166742
 (M17133) histone H4 [Arabidopsis thaliana] gi|168499 (M36659)
 histone H4 (H4C13) [Zea mays]

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71930	Strand	+
Start	15018	End	22220
Name	OJ990428_20.9924.C16.o4.np	Method	AAT/NAP
Start	14994	End	22214
GI	3402673	Score	1365
Exons	14994..15778, 15968..16446, 16761..16886, 17877..18007, 19079..19254, 19314..19760, 19899..20039, 20806..20865, 21329..21463, 21585..21714, 21811..22040, 22122..22214		
GI Descrip.	(AC004697) unknown protein [Arabidopsis thaliana]		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71930	Strand	+
Start	15018	End	22220
Name	OJ990428_20.9924.C16.o4.gs	Method	GENSCAN
Start	15018	End	22220
GI	none	Score	71
Exons	15018..15824, 15961..16485, 17877..17980, 19079..19214, 19332..19760, 19899..20039, 20806..20865, 21329..21459, 21749..22040, 22122..22220		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71930	Strand	+
Start	15018	End	22220
Name	OJ990428_20.9924.C16.o3.gp	Method	AAT/GAP
Start	19982	End	21644
GI	426262	Score	530
Exons	19982..20039, 20806..20865, 21329..21459, 21581..21644		
GI Descrip.	3402673 2.0e-19 (AC004697) unknown protein [Arabidopsis thaliana]		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71931	Strand	+
Start	23537	End	24382
Name	OJ990428_20.9924.C16.o5.gs	Method	GENSCAN
Start	23537	End	24382
GI	none	Score	.61
Exons	23537..23693, 23888..24033, 24224..24382		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71932	Strand	+
Start	29116	End	31365
Name	OJ990428_20.9924.C16.o5.np	Method	AAT/NAP
Start	28182	End	31362
GI	3402672	Score	2172
Exons	28182..28219, 29328..29457, 29492..31362		
GI Descrip.	(AC004697) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71932	Strand	+
Start	29116	End	31365

Name	OJ990428_20.9924.C16.o6.gs	Method	GENSCAN
Start	29116	End	31365
GI	none	Score	.99
Exons	29116..31365		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71933	Strand	-
Start	1047	End	3810
Name	OJ990428_20.9924.C16.o1.np	Method	AAT/NAP
Start	1047	End	3383
GI	4544438	Score	723
Exons	1047..1720, 1772..1961, 2004..3383		
GI Descrip.	(AC006592) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71933	Strand	-
Start	1047	End	3810
Name	OJ990428_20.9924.C16.o1.gp	Method	AAT/GAP
Start	1081	End	1438
GI	3761738	Score	675
Exons	1081..1438		
GI Descrip.	4544438/gb AAD22346.1 AC006592_3.1.0e-15 (AC006592) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71933	Strand	-
Start	1047	End	3810
Name	OJ990428_20.9924.C16.o1.gs	Method	GENSCAN
Start	1269	End	3810
GI	none	Score	.73
Exons	1269..1352, 1488..3457, 3717..3810		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71934	Strand	-
Start	10921	End	12438
Name	OJ990428_20.9924.C16.o3.tm	Method	TBLASTX:Maize
Start	997	End	1352
GI	none	Score	67
Exons	997..1071, 998..1072, 1074..1352, 1078..1338		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71934	Strand	-
Start	10921	End	12438
Name	OJ990428_20.9924.C16.o5.tm	Method	TBLASTX:Maize
Start	1492	End	1843
GI	none	Score	145
Exons	1492..1695, 1492..1791, 1577..1843, 1578..1808		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71934	Strand	-
Start	10921	End	12438
Name	OJ990428_20.9924.C16.o4.tm	Method	TBLASTX:Maize
Start	2487	End	2922
GI	none	Score	70
Exons	2487..2561, 2487..2921, 2512..2922		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
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Gene No.	71934	Strand	-
Start	10921	End	12438
Name	OJ990428_20.9924.C16.o5.ts	Method	TBLASTX:Soybean
Start	3246	End	3471
GI	none	Score	40
Exons	3246..3458, 3247..3321, 3249..3464, 3340..3471		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71934	Strand	-
Start	10921	End	12438
Name	OJ990428_20.9924.C16.o2.tm	Method	TBLASTX:Maize
Start	8368	End	8705
GI	none	Score	296
Exons	8368..8667, 8445..8690, 8454..8705, 8461..8694		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71934	Strand	-
Start	10921	End	12438
Name	OJ990428_20.9924.C16.o1.tw	Method	TBLASTX:Wheat
Start	8389	End	8714
GI	none	Score	187
Exons	8389..8664, 8454..8714, 8457..8579, 8461..8694		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71934	Strand	-
Start	10921	End	12438
Name	OJ990428_20.9924.C16.o4.ts	Method	TBLASTX:Soybean
Start	8398	End	8705
GI	none	Score	77
Exons	8398..8664, 8445..8579, 8451..8705, 8461..8694		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71934	Strand	-
Start	10921	End	12438
Name	OJ990428_20.9924.C16.o3.tc	Method	TBLASTX:Cress
Start	8451	End	8705
GI	none	Score	386
Exons	8451..8705, 8461..8694		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71934	Strand	-
Start	10921	End	12438
Name	OJ990428_20.9924.C16.o3.np	Method	AAT/NAP
Start	10921	End	12438
GI	4966360	Score	70
Exons	10921..11144, 12360..12438		
GI Descrip.	(AC006341) Is a member of the PF 00083 sugar transporter family. [Arabidopsis thaliana]		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71935	Strand	-
Start	19365	End	22220
Name	OJ990428_20.9924.C16.o2.ts	Method	TBLASTX:Soybean
Start	19365	End	21911
GI	none	Score	98
Exons	19365..19481, 19367..19531, 19401..19538, 19584..19766, 19630..19767, 19630..19758, 19643..19765, 19644..19766,		

19889..20041, 19890..20042, 20803..20865, 21318..21455,
21325..21459, 21326..21466, 21328..21459, 21582..21722,
21590..21712, 21737..21910, 21807..21911

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71935	Strand	
Start	19365	End	22220
Name	OJ990428_20.9924.C16.o1.tm	Method	TBLASTX:Maize
Start	21398	End	22220
GI	none	Score	78
Exons	21398..21457, 21410..21463, 21566..21724, 21579..21722, 21809..21934, 21810..21953, 21944..22012, 21947..22012, 21948..22013, 21949..22023, 22004..22039, 22104..22220, 22119..22208, 22141..22209, 22142..22213		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71936	Strand	
Start	29496	End	30285
Name	OJ990428_20.9924.C16.o6.tc	Method	TBLASTX:Cress
Start	29496	End	29658
GI	none	Score	212
Exons	29496..29651, 29497..29658		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71936	Strand	
Start	29496	End	30285
Name	OJ990428_20.9924.C16.o6.ts	Method	TBLASTX:Soybean
Start	29500	End	29880
GI	none	Score	203
Exons	29500..29880		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71936	Strand	
Start	29496	End	30285
Name	OJ990428_20.9924.C16.o7.tm	Method	TBLASTX:Maize
Start	29668	End	30216
GI	none	Score	240
Exons	29668..30045, 29685..30053, 30112..30216		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71936	Strand	
Start	29496	End	30285
Name	OJ990428_20.9924.C16.o4:tc	Method	TBLASTX:Cress
Start	29689	End	30060
GI	none	Score	303
Exons	29689..30060, 29790..30041		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71936	Strand	
Start	29496	End	30285
Name	OJ990428_20.9924.C16.o3.ts	Method	TBLASTX:Soybean
Start	29880	End	30285
GI	none	Score	224
Exons	29880..30059, 29908..30060, 30112..30285, 30142..30285		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71937	Strand	

Start	30324	End	30738
Name	OJ990428_20.9924.C16.o1.tc	Method	TBLASTX:Cress
Start	30324	End	30738
GI	none	Score	81
Exons	30324..30386, 30325..30387, 30400..30738, 30426..30734		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71938	Strand	
Start	30700	End	31131
Name	OJ990428_20.9924.C16.o1.ts	Method	TBLASTX:Soybean
Start	30700	End	31104
GI	none	Score	464
Exons	30700..31104, 30729..31103		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71938	Strand	
Start	30700	End	31131
Name	OJ990428_20.9924.C16.o6.tm	Method	TBLASTX:Maize
Start	30718	End	30996
GI	none	Score	261
Exons	30718..30996, 30720..30941		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71938	Strand	
Start	30700	End	31131
Name	OJ990428_20.9924.C16.o2.tc	Method	TBLASTX:Cress
Start	30741	End	31131
GI	none	Score	428
Exons	30741..30941, 30742..31131, 30990..31130		

Seq. No.	34827	Seq. ID	OJ990428_20.9924.C16
Gene No.	71939	Strand	
Start	31138	End	31380
Name	OJ990428_20.9924.C16.o5.tc	Method	TBLASTX:Cress
Start	31138	End	31380
GI	none	Score	233
Exons	31138..31380		

Seq. No.	34828	Seq. ID	OJ990428_20.9924.C17
Gene No.	71940	Strand	+
Start	258	End	658
Name	OJ990428_20.9924.C17.o1.gs	Method	GENSCAN
Start	258	End	658
GI	none	Score	.79
Exons	258..332, 515..658		

Seq. No.	34828	Seq. ID	OJ990428_20.9924.C17
Gene No.	71941	Strand	+
Start	4395	End	4828
Name	OJ990428_20.9924.C17.o1.gp	Method	AAT/GAP
Start	4395	End	4828
GI	none	Score	797
Exons	4395..4828		

Seq. No.	34828	Seq. ID	OJ990428_20.9924.C17
Gene No.	71942	Strand	-
Start	1	End	179

Name	OJ990428_20.9924.C17.o1.np	Method	AAT/NAP
Start	1	End	179
GI	5257273	Score	75
Exons	1..179		
GI Descrip.	(AP000364) Similar to myristoylated alanine-rich C-kinase substrate. (P26645) [Oryza sativa]		

Seq. No.	34828	Seq. ID	OJ990428_20.9924.C17
Gene No.	71943	Strand	-
Start	1787	End	2683
Name	OJ990428_20.9924.C17.o2.np	Method	AAT/NAP
Start	1769	End	2683
GI	6682236	Score	402
Exons	1769..2683		
GI Descrip.	(AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	34828	Seq. ID	OJ990428_20.9924.C17
Gene No.	71943	Strand	-
Start	1787	End	2683
Name	OJ990428_20.9924.C17.o2.gs	Method	GENSCAN
Start	1787	End	2614
GI	none	Score	.99
Exons	1787..2614		

Seq. No.	34828	Seq. ID	OJ990428_20.9924.C17
Gene No.	71944	Strand	-
Start	4653	End	5367
Name	OJ990428_20.9924.C17.o1.tc	Method	TBLASTX:Cress
Start	1943	End	5171
GI	none	Score	199
Exons	1943..2158, 4824..5171, 4827..5129, 4828..5169		

Seq. No.	34828	Seq. ID	OJ990428_20.9924.C17
Gene No.	71944	Strand	-
Start	4653	End	5367
Name	OJ990428_20.9924.C17.o1.tm	Method	TBLASTX:Maize
Start	1943	End	5361
GI	none	Score	86
Exons	1943..2158, 2168..2371, 2169..2384, 4669..4989, 4692..5357, 4720..5361, 4722..5360		

Seq. No.	34828	Seq. ID	OJ990428_20.9924.C17
Gene No.	71944	Strand	-
Start	4653	End	5367
Name	OJ990428_20.9924.C17.o1.ts	Method	TBLASTX:Soybean
Start	1943	End	5367
GI	none	Score	378
Exons	1943..2158, 2168..2371, 4738..5367, 4740..5366		

Seq. No.	34828	Seq. ID	OJ990428_20.9924.C17
Gene No.	71944	Strand	-
Start	4653	End	5367
Name	OJ990428_20.9924.C17.o1.tw	Method	TBLASTX:Wheat
Start	1952	End	4937
GI	none	Score	135
Exons	1952..2050, 4679..4915, 4692..4916, 4720..4935, 4722..4937		

Seq. No.	34828	Seq. ID	OJ990428_20.9924.C17
Gene No.	71944	Strand	-
Start	4653	End	5367
Name	OJ990428_20.9924.C17.o2.tm	Method	TBLASTX:Maize
Start	2395	End	2708
GI	none	Score	101
Exons	2395..2523, 2405..2542, 2408..2542, 2564..2662, 2564..2683, 2604..2708		

Seq. No.	34828	Seq. ID	OJ990428_20.9924.C17
Gene No.	71944	Strand	-
Start	4653	End	5367
Name	OJ990428_20.9924.C17.o3.gs	Method	GENSCAN
Start	4653	End	5345
GI	none	Score	.81
Exons	4653..5345		

Seq. No.	34828	Seq. ID	OJ990428_20.9924.C17
Gene No.	71944	Strand	-
Start	4653	End	5367
Name	OJ990428_20.9924.C17.o3.np	Method	AAT/NAP
Start	4656	End	5367
GI	6682236	Score	976
Exons	4656..5367		
GI Descrip.	(AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	34828	Seq. ID	OJ990428_20.9924.C17
Gene No.	71944	Strand	-
Start	4653	End	5367
Name	OJ990428_20.9924.C17.o2.gp	Method	AAT/GAP
Start	4929	End	5367
GI	43980_1.R1084	Score	845
Exons	4929..5367		
GI Descrip.	'6006379/dbj BAA84809.1 1.0e-52 (AP000559) ESTs AU078277(S1084),AU078273(S13585), D47857(S13585) correspond to a region of the predicted gene.; Similar to Caenorhabditis elegans cosmid C15H9; hypothetical protein (U56965) [Oryza sativa]'		

Seq. No.	34829	Seq. ID	OJ990428_20.9924.C18
Gene No.	71945	Strand	-
Start	1	End	358
Name	OJ990428_20.9924.C18.o1.gp	Method	AAT/GAP
Start	1	End	194
GI	43980_1.R1084	Score	368
Exons	1..194		
GI Descrip.	'6006379/dbj BAA84809.1 1.0e-52 (AP000559) ESTs AU078277(S1084),AU078273(S13585), D47857(S13585) correspond to a region of the predicted gene.; Similar to Caenorhabditis elegans cosmid C15H9; hypothetical protein (U56965) [Oryza sativa]'		

Seq. No.	34829	Seq. ID	OJ990428_20.9924.C18
Gene No.	71945	Strand	-
Start	1	End	358
Name	OJ990428_20.9924.C18.o1.np	Method	AAT/NAP
Start	1	End	346
GI	6682236	Score	117
Exons	1..346		

GI Descrip. (AC016661) unknown protein [Arabidopsis thaliana]

Seq. No.	34829	Seq. ID	OJ990428_20.9924.C18
Gene No.	71945	Strand	-
Start	1	End	358
Name	OJ990428_20.9924.C18.o1.tm	Method	TBLASTX:Maize
Start	2	End	277
GI	none	Score	57
Exons	2..67, 3..68, 80..277, 84..275		

Seq. No.	34829	Seq. ID	OJ990428_20.9924.C18
Gene No.	71945	Strand	-
Start	1	End	358
Name	OJ990428_20.9924.C18.o1.gs	Method	GENSCAN
Start	14	End	358
GI	none	Score	.99
Exons	14..358		

Seq. No.	34830	Seq. ID	OJ990428_20.9924.C21
Gene No.	71946	Strand	+
Start	1	End	497
Name	OJ990428_20.9924.C21.o1.np	Method	AAT/NAP
Start	1	End	497
GI	2191149	Score	144
Exons	1..56, 381..497		

GI Descrip. (AF007269) Similar to protein kinase [Arabidopsis thaliana]

Seq. No.	34830	Seq. ID	OJ990428_20.9924.C21
Gene No.	71946	Strand	+
Start	1	End	497
Name	OJ990428_20.9924.C21.o1.gp	Method	AAT/GAP
Start	392	End	497
GI	20801_1.R1084	Score	188
Exons	392..497		

GI Descrip. '2505874/emb|CAA73303| 1.0e-75 (Y12776) putative kinase [Arabidopsis thaliana]'

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71947	Strand	+
Start	841	End	3475
Name	OJ990428_20.9924.C22.o1.gs	Method	GENSCAN
Start	841	End	3475
GI	none	Score	.4
Exons	841..977, 2894..3134, 3254..3475		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71948	Strand	+
Start	5776	End	10258
Name	OJ990428_20.9924.C22.o2.gs	Method	GENSCAN
Start	5776	End	10060
GI	none	Score	.93
Exons	5776..5844, 6352..6688, 7995..8021, 8156..8309, 8392..8440, 8521..8635, 8746..8837, 8981..9097, 9440..9537, 9689..9794, 9908..10060		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71948	Strand	+

Start	5776	End	10258
Name	OJ990428_20.9924.C22.o1.gp	Method	AAT/GAP
Start	6546	End	8446
GI	LIB3431-043-P1-K1-H11	Score	917
Exons	6546..6688, 7307..7484, 7995..8021, 8156..8309, 8392..8446		
GI Descrip.	'2146745/pir S71169 9.0e-53 protein kinase (EC 2.7.1.-) - Arabidopsis thaliana >gi_642132_dbj_BAA08215_ (D45354) protein kinase [Arabidopsis thaliana]'		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71948	Strand	+
Start	5776	End	10258
Name	OJ990428_20.9924.C22.o1.np	Method	AAT/NAP
Start	6578	End	10042
GI	1703200	Score	1224
Exons	6578..6679, 7307..7484, 7995..8021, 8156..8309, 8392..8440, 8521..8635, 8746..8864, 9014..9137, 9257..9321, 9440..9537, 9689..9794, 9908..10042		
GI Descrip.	PROTEIN KINASE AFC2 gi 601789 (U16177) protein kinase [Arabidopsis thaliana] gi 642130 dbj BAA08214 (D45353) protein kinase [Arabidopsis thaliana] gi 4220516 emb CAA22989 (AL035356).protein kinase (AFC2). [Arabidopsis thaliana]		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71948	Strand	+
Start	5776	End	10258
Name	OJ990428_20.9924.C22.o2.gp	Method	AAT/GAP
Start	9720	End	10258
GI	2317599	Score	803
Exons	9720..9794, 9908..10258		
GI Descrip.	1703199/sp P51566 AFC1_ARATH 4.0e-28 PROTEIN KINASE AFC1 >gi_601787 (U16176) protein kinase [Arabidopsis thaliana]		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71949	Strand	+
Start	12075	End	18022
Name	OJ990428_20.9924.C22.o3.gs	Method	GENSCAN
Start	12075	End	18022
GI	none	Score	.76
Exons	12075..12295, 12403..12525, 12835..12935, 13218..13268, 13824..14201, 15397..15512, 15607..15852, 16361..16441, 16624..16857, 17672..18022		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71949	Strand	+
Start	12075	End	18022
Name	OJ990428_20.9924.C22.o3.gp	Method	AAT/GAP
Start	13791	End	14065
GI	2431380	Score	509
Exons	13791..14065		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71949	Strand	+
Start	12075	End	18022
Name	OJ990428_20.9924.C22.o2.np	Method	AAT/NAP
Start	14031	End	18016
GI	3355474	Score	1407

Exons 14031..14201, 15403..15512, 15607..15852, 16361..16441,
16624..16857, 17672..18016
GI Descrip. (AC004218) unknown protein [Arabidopsis thaliana]

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71949	Strand	+
Start	12075	End	18022
Name	OJ990428_20.9924.C22.o4.gp	Method	AAT/GAP
Start	16360	End	16877
GI	700032	Score	652
Exons	16360..16441, 16624..16877		
GI Descrip.	3355474 3.0e-37 (AC004218) unknown protein [Arabidopsis thaliana]		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71950	Strand	+
Start	18727	End	22869
Name	OJ990428_20.9924.C22.o6.gp	Method	AAT/GAP
Start	18722	End	19021
GI	2428885	Score	596
Exons	18722..19021		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71950	Strand	+
Start	18727	End	22869
Name	OJ990428_20.9924.C22.o4.gs	Method	GENSCAN
Start	18727	End	22869
GI	none	Score	.55
Exons	18727..18895, 19198..19244, 19474..19570, 20922..21112, 21659..21841, 22603..22869		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71951	Strand	+
Start	23327	End	25932
Name	OJ990428_20.9924.C22.o5.gs	Method	GENSCAN
Start	23327	End	25932
GI	none	Score	.68
Exons	23327..23380, 23398..23678, 24410..24512, 25235..25288, 25293..25403, 25596..25712, 25804..25932		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71952	Strand	+
Start	32698	End	36004
Name	OJ990428_20.9924.C22.o4.np	Method	AAT/NAP
Start	32698	End	36004
GI	4580390	Score	128
Exons	32698..32830, 34627..34997, 35961..36004		
GI Descrip.	(AC007171) putative disease resistance response protein [Arabidopsis thaliana]		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71953	Strand	+
Start	38083	End	39344
Name	OJ990428_20.9924.C22.o7.gs	Method	GENSCAN
Start	38083	End	39344
GI	none	Score	.43
Exons	38083..38723, 39260..39344		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71954	Strand	+
Start	46668	End	50495
Name	OJ990428_20.9924.C22.o10.gs	Method	GENSCAN
Start	46668	End	50495
GI	none	Score	.89
Exons	46668..46844, 47443..47577, 47591..47906, 48683..49095, 49662..50495		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71954	Strand	+
Start	46668	End	50495
Name	OJ990428_20.9924.C22.o16.gp	Method	AAT/GAP
Start	47757	End	48938
GI	LIB3433-042-P1-K1-D10	Score	688
Exons	47757..47906, 48683..48938		
GI Descrip.	'4056491 3.0e-15 (AC005896) unknown protein [Arabidopsis thaliana]'		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71954	Strand	+
Start	46668	End	50495
Name	OJ990428_20.9924.C22.o8.np	Method	AAT/NAP
Start	47846	End	50492
GI	6682234	Score	1466
Exons	47846..47906, 48683..49095, 49662..50492		
GI Descrip.	(AC016661) putative ankyrin [Arabidopsis thaliana]		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71954	Strand	+
Start	46668	End	50495
Name	OJ990428_20.9924.C22.o17.gp	Method	AAT/GAP
Start	50184	End	50367
GI	6025112	Score	292
Exons	50184..50367		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71955	Strand	-
Start	17908	End	18282
Name	OJ990428_20.9924.C22.o5.gp	Method	AAT/GAP
Start	17908	End	18282
GI	968994	Score	693
Exons	17908..18282		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71956	Strand	-
Start	22438	End	22837
Name	OJ990428_20.9924.C22.o8.gp	Method	AAT/GAP
Start	22438	End	22837
GI	none	Score	778
Exons	22438..22837		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71957	Strand	-
Start	26417	End	38697
Name	OJ990428_20.9924.C22.o6.gs	Method	GENSCAN

Start	26417	End	37336
GI	none	Score	.72
Exons	26417..26475, 26712..26835, 26891..27004, 27251..27403, 27919..27988, 28487..28578, 28657..28794, 28897..28998, 29243..29308, 29418..29552, 30295..30450, 30772..30921, 31066..31197, 32278..32559, 32614..32781, 32982..33100, 33682..33888, 34402..34949, 35515..35699, 35772..35864, 36296..36370, 36466..36549, 37032..37111, 37201..37336		
Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71957	Strand	-
Start	26417	End	38697
Name	OJ990428_20.9924.C22.o9.gp	Method	AAT/GAP
Start	27472	End	27686
GI	uC-osflM202014d11b1	Score	418
Exons	27472..27686		
GI Descrip.	'2225877/dbj BAA20875.1 1.0e-15 (AB002406) TIP49 [Rattus norvegicus] >gi_4106528 (AF100694) Pontin52 [Mus musculus] >gi_4521276_dbj_BAA76313.1_ (AB001581) DNA helicase p50 [Rattus norvegicus]'		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71957	Strand	-
Start	26417	End	38697
Name	OJ990428_20.9924.C22.o10.gp	Method	AAT/GAP
Start	27527	End	27992
GI	2798347	Score	535
Exons	27527..27785, 27919..27992		
GI Descrip.	2225877/dbj BAA20875.1 1.0e-15 (AB002406) TIP49 [Rattus norvegicus] >gi_4106528 (AF100694) Pontin52 [Mus musculus] >gi_4521276_dbj_BAA76313.1_ (AB001581) DNA helicase p50 [Rattus norvegicus]		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71957	Strand	-
Start	26417	End	38697
Name	OJ990428_20.9924.C22.o11.gp	Method	AAT/GAP
Start	27609	End	27996
GI	2798347	Score	402
Exons	27609..27785, 27919..27996		
GI Descrip.	2225877/dbj BAA20875.1 1.0e-15 (AB002406) TIP49 [Rattus norvegicus] >gi_4106528 (AF100694) Pontin52 [Mus musculus] >gi_4521276_dbj_BAA76313.1_ (AB001581) DNA helicase p50 [Rattus norvegicus]		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71957	Strand	-
Start	26417	End	38697
Name	OJ990428_20.9924.C22.o3.np	Method	AAT/NAP
Start	27699	End	32694
GI	4506753	Score	1401
Exons	27699..27785, 27919..27988, 28487..28578, 28657..28752, 28885..28998, 29243..29308, 29418..29552, 30295..30450, 30772..30921, 31066..31197, 32278..32466, 32614..32694		
GI Descrip.	TATA binding protein interacting protein 49 kDa gi 3132308 dbj BAA28169 (AB012122) TIP49 [Homo sapiens] gi 3243035 (AF070735) RuvB-like protein RUVBL1 [Homo sapiens]		

gi|3892584|emb|CAA08986| (AJ010058) Nuclear matrix protein NMP238 [Homo sapiens] gi|4151525 (AF099084) Pontin52 [Homo sapiens] gi|5327000|emb|CAB46271.1| (Y18418) erythrocyte cytosolic protein of 54 kDa,

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71957	Strand	-
Start	26417	End	38697
Name	OJ990428_20.9924.C22.o13.gp	Method	AAT/GAP
Start	30377	End	32407
GI	uC-osflM202020b08b1	Score	900
Exons	30377..30450, 30772..30921, 31066..31197, 32278..32407		
GI Descrip.	'2497541/sp Q40545 KPYA_TOBAC 8.0e-45 PYRUVATE KINASE ISOZYME A, CHLOROPLAST PRECURSOR >gi_482936_emb_CAA82222_ (Z28373) pyruvate kinase; plastid isozyme [Nicotiana tabacum]'		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71957	Strand	-
Start	26417	End	38697
Name	OJ990428_20.9924.C22.o14.gp	Method	AAT/GAP
Start	35190	End	37344
GI	22080_1_R1084	Score	1803
Exons	35190..35699, 35772..35864, 36296..36370, 36466..36549, 37032..37111, 37201..37344		
GI Descrip.	'3355471 4.0e-30 (AC004218) putative lysophospholipase [Arabidopsis thaliana]'		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71957	Strand	-
Start	26417	End	38697
Name	OJ990428_20.9924.C22.o5.np	Method	AAT/NAP
Start	35496	End	38697
GI	6729503	Score	1300
Exons	35496..35699, 35772..35858, 36296..36370, 36466..36549, 37032..37111, 37201..37348, 38134..38697		
GI Descrip.	(AL132966) dTDP-glucose 4-6-dehydratase-like protein [Arabidopsis thaliana]		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71958	Strand	-
Start	39867	End	43538
Name	OJ990428_20.9924.C22.o8.gs	Method	GENSCAN
Start	39867	End	43538
GI	none	Score	.68
Exons	39867..40028, 40104..40314, 40418..40549, 40713..40912, 41285..41422, 41578..41708, 41852..41942, 42307..42339, 43030..43291, 43393..43538		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71958	Strand	-
Start	39867	End	43538
Name	OJ990428_20.9924.C22.o6.np	Method	AAT/NAP
Start	40647	End	42345
GI	3355471	Score	748
Exons	40647..40912, 41103..41201, 41285..41422, 41578..41708, 41780..41926, 42000..42032, 42128..42221, 42307..42345		
GI Descrip.	(AC004218) putative phospholipase [Arabidopsis thaliana]		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71958	Strand	-
Start	39867	End	43538
Name	OJ990428_20.9924.C22.o15.gp	Method	AAT/GAP
Start	41821	End	42475
GI	3107745	Score	516
Exons	41821..41926, 42000..42032, 42128..42221, 42307..42339, 42442..42475		
GI Descrip.	3355471 4.0e-30 (AC004218) putative lysophospholipase [Arabidopsis thaliana]		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71959	Strand	-
Start	44391	End	47617
Name	OJ990428_20.9924.C22.o9.gs	Method	GENSCAN
Start	44391	End	45953
GI	none	Score	.78
Exons	44391..44678, 44819..44887, 45122..45743, 45763..45953		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71959	Strand	-
Start	44391	End	47617
Name	OJ990428_20.9924.C22.o7.np	Method	AAT/NAP
Start	44424	End	47617
GI	6682233	Score	944
Exons	44424..44678, 44819..44887, 45122..45684, 45767..45886, 47469..47617		
GI Descrip.	(AC016661) putative pectate lyase [Arabidopsis thaliana]		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o2.tc	Method	TBLASTX:Cress
Start	6578	End	10039
GI	none	Score	132
Exons	6578..6685, 6619..6684, 7403..7483, 7411..7479, 7997..8023, 8154..8303, 8155..8310, 8161..8304, 8379..8420, 8379..8438, 8392..8442, 8393..8443, 8506..8634, 8512..8634, 8514..8636, 8523..8639, 8712..8837, 8740..8835, 8741..8845, 8742..8846, 8978..9142, 8989..9138, 8993..9142, 9255..9320, 9256..9312, 9260..9322, 9414..9494, 9423..9491, 9440..9538, 9457..9537, 9672..9791, 9689..9787, 9902..10036, 9908..10039		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o10.tm	Method	TBLASTX:Maize
Start	6588	End	42209
GI	none	Score	66
Exons	6588..6698, 41333..41428, 41561..41716, 41575..41715, 41769..41927, 41791..41916, 42126..42209		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o5.tm	Method	TBLASTX:Maize

Start	7992	End	10267
GI	none	Score	64
Exons	7992..8021, 8151..8201, 8154..8201, 8155..8202, 8155..8202, 8198..8308, 8203..8307, 8206..8310, 8219..8308, 8378..8443, 8387..8431, 8391..8444, 8506..8634, 8512..8634, 8514..8639, 8514..8636, 8741..8839, 8742..8843, 8978..9142, 8980..9138, 9255..9320, 9256..9312, 9257..9322, 9258..9338, 9411..9536, 9440..9538, 9443..9538, 9688..9795, 9688..9792, 9689..9793, 9690..9800, 9693..9800, 9892..9942, 9902..10126, 9904..9942, 9905..10117, 9975..10133, 9991..10128, 10123..10227, 10126..10260, 10127..10267, 10128..10244, 10148..10261		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o7.ts	Method	TBLASTX:Soybean
Start	8744	End	10042
GI	none	Score	143
Exons	8744..8848, 8745..8846, 9007..9138, 9008..9142, 9255..9314, 9256..9312, 9260..9325, 9440..9538, 9454..9537, 9690..9719, 9722..9784, 9723..9800, 9902..10042, 9907..9942		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o7.tm	Method	TBLASTX:Maize
Start	13991	End	15852
GI	none	Score	199
Exons	13991..14047, 14104..14181, 15394..15516, 15395..15520, 15396..15512, 15397..15513, 15605..15697, 15606..15830, 15606..15833, 15607..15831, 15832..15852		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o4.ts	Method	TBLASTX:Soybean
Start	15397	End	16794
GI	none	Score	153
Exons	15397..15513, 15401..15514, 15402..15512, 15418..15513, 15603..15857, 15604..15864, 15607..15852, 15630..15860, 16345..16410, 16360..16455, 16603..16794, 16627..16791, 16629..16793		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o6.tc	Method	TBLASTX:Cress
Start	15401	End	15773
GI	none	Score	161
Exons	15401..15529, 15402..15512, 15430..15513, 15628..15681, 15663..15773, 15666..15755		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o2.tm	Method	TBLASTX:Maize
Start	16369	End	18024

GI	none	Score	95
Exons	16369..16440, 16369..16440, 16608..16853, 16612..16863, 16612..16857, 17646..17849, 17671..17850, 17672..18022, 17674..18021, 17678..18022, 17925..18023, 17926..18024		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o1.tc	Method	TBLASTX:Cress
Start	16768	End	18013
GI	none	Score	55
Exons	16768..16809, 16810..16863, 17653..17847, 17672..18013, 17683..18012		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o2.ts	Method	TBLASTX:Soybean
Start	16794	End	18013
GI	none	Score	87
Exons	16794..16856, 16795..16863, 17672..18013, 17683..18003		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o5.tw	Method	TBLASTX:Wheat
Start	27689	End	28714
GI	none	Score	95
Exons	27689..27787, 27697..27786, 27698..27787, 27699..27788, 27865..27996, 27896..28000, 27917..28000, 28466..28561, 28474..28572, 28479..28580, 28483..28584, 28654..28713, 28658..28714		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o9.ts	Method	TBLASTX:Soybean
Start	28525	End	29495
GI	none	Score	124
Exons	28525..28581, 28649..28759, 28654..28758, 28655..28759, 28883..28999, 28885..29001, 28894..29001, 29240..29308, 29241..29309, 29243..29314, 29397..29495, 29398..29493, 29414..29494		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o9.tm	Method	TBLASTX:Maize
Start	28915	End	32770
GI	none	Score	123
Exons	28915..29001, 28916..28999, 28924..29001, 29240..29308, 29241..29309, 29242..29310, 29243..29314, 29397..29558, 29415..29558, 29416..29559, 30257..30451, 30294..30452, 30295..30453, 30322..30468, 30769..30921, 30770..30922, 30770..30922, 31063..31203, 31066..31218, 32275..32466, 32276..32482, 32365..32493, 32614..32694, 32615..32770		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o11.ts	Method	TBLASTX:Soybean
Start	30769	End	31128
GI	none	Score	146
Exons	30769..30903, 30773..30895, 30898..30921, 31060..31128		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o12.ts	Method	TBLASTX:Soybean
Start	31129	End	32695
GI	none	Score	86
Exons	31129..31203, 31136..31204, 32275..32469, 32276..32482, 32614..32694, 32615..32695		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o8.tc	Method	TBLASTX:Cress
Start	32275	End	32694
GI	none	Score	150
Exons	32275..32469, 32276..32482, 32614..32694, 32615..32689		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o3.tw	Method	TBLASTX:Wheat
Start	34471	End	38388
GI	none	Score	58
Exons	34471..34575, 36466..36555, 36470..36547, 37023..37112, 37054..37113, 37194..37340, 37199..37348, 37199..37348, 37200..37349, 38132..38320, 38134..38388, 38134..38325, 38296..38367		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o6.tm	Method	TBLASTX:Maize
Start	35434	End	37331
GI	none	Score	52
Exons	35434..35484, 35436..35486, 35436..35483, 35486..35701, 35501..35701, 35502..35708, 35503..35718, 35754..35864, 35770..35865, 35771..35896, 36290..36370, 36294..36371, 36295..36372, 36295..36372, 36296..36373, 36461..36550, 36466..36555, 36470..36550, 37023..37112, 37029..37112, 37030..37116, 37031..37114, 37194..37328, 37199..37327, 37203..37331, 37204..37329		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o2.tw	Method	TBLASTX:Wheat
Start	35512	End	36352
GI	none	Score	147
Exons	35512..35700, 35514..35708, 35534..35713, 35769..35864,		

35770..35865, 36293..36352

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o6.ts	Method	TBLASTX:Soybean
Start	35512	End	36558
GI	none	Score	166
Exons	35512..35700, 35514..35708, 35754..35864, 35770..35865, 36293..36370, 36294..36371, 36466..36558, 36470..36553		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o4.tc	Method	TBLASTX:Cress
Start	35512	End	38368
GI	none	Score	180
Exons	35512..35700, 35514..35708, 35570..35701, 35754..35864, 35770..35865, 36293..36370, 36294..36371, 36461..36550, 36466..36555, 36470..36562, 37023..37112, 37032..37112, 37051..37113, 37199..37348, 37200..37340, 38132..38368, 38134..38367		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o5.ts	Method	TBLASTX:Soybean
Start	37199	End	38391
GI	none	Score	169
Exons	37199..37348, 37200..37340, 37210..37347, 38132..38368, 38134..38391, 38134..38367		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o8.tm	Method	TBLASTX:Maize
Start	38132	End	38701
GI	none	Score	78
Exons	38132..38197, 38134..38217, 38134..38223, 38218..38412, 38224..38367, 38440..38541, 38450..38491, 38506..38616, 38669..38701		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o7.tc	Method	TBLASTX:Cress
Start	40682	End	41428
GI	none	Score	126
Exons	40682..40759, 40738..40914, 40760..40984, 40776..40910, 40781..40915, 41076..41201, 41303..41428		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o10.ts	Method	TBLASTX:Soybean
Start	40700	End	40916
GI	none	Score	129

Exons	40700..40777, 40757..40915, 40776..40916		
Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o12.tm	Method	TBLASTX:Maize
Start	40709	End	41201
GI	none	Score	56
Exons	40709..40777, 40718..40777, 40772..40915, 40776..40937, 40786..40929, 41109..41201		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o4.tw	Method	TBLASTX:Wheat
Start	41282	End	41922
GI	none	Score	86
Exons	41282..41428, 41571..41672, 41572..41664, 41575..41697, 41579..41671, 41579..41698, 41580..41696, 41784..41921, 41791..41922		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o8.ts	Method	TBLASTX:Soybean
Start	41282	End	42230
GI	none	Score	146
Exons	41282..41425, 41560..41751, 41576..41713, 41748..41927, 41776..41916, 42126..42155, 42168..42230		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o5.tc	Method	TBLASTX:Cress
Start	41561	End	42233
GI	none	Score	132
Exons	41561..41713, 41575..41715, 41781..41930, 41782..41925, 42118..42231, 42120..42233		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o1.tm	Method	TBLASTX:Maize
Start	44442	End	45897
GI	none	Score	242
Exons	44442..44540, 44601..44684, 44799..44837, 45113..45685, 45129..45356, 45426..45641, 45431..45697, 45486..45686, 45768..45884, 45778..45897		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o1.ts	Method	TBLASTX:Soybean
Start	44604	End	45914
GI	none	Score	142
Exons	44604..44696, 44819..44890, 45119..45349, 45119..45463, 45126..45464, 45470..45685, 45471..45641, 45769..45855,		

45771..45914

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o3.ts	Method	TBLASTX:Soybean
Start	47765	End	50377
GI	none	Score	70
Exons	47765..47821, 47792..47905, 47861..47899, 48682..48813, 48699..48776, 48775..49101, 48811..49107, 48814..49110, 48820..49101, 48823..49119, 49652..50377, 49656..49964, 50088..50372		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o4.tm	Method	TBLASTX:Maize
Start	47765	End	50516
GI	none	Score	64
Exons	47765..47830, 47816..47899, 47843..47899, 47851..47898, 48685..48807, 48799..49101, 48814..49119, 48820..49104, 48838..49074, 48840..49085, 48868..49101, 48904..49104, 49659..49964, 49661..50383, 49691..49981, 50088..50516, 50334..50516		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o1.tw	Method	TBLASTX:Wheat
Start	49948	End	50547
GI	none	Score	180
Exons	49948..50160, 49949..50062, 49950..50447, 50032..50154, 50088..50447, 50221..50463, 50401..50547, 50448..50546, 50449..50547, 50473..50496		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o3.tc	Method	TBLASTX:Cress
Start	50027	End	50374
GI	none	Score	385
Exons	50027..50374, 50088..50372		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o11.tm	Method	TBLASTX:Maize
Start	53490	End	53780
GI	none	Score	44
Exons	53490..53534, 53493..53531, 53560..53778, 53571..53780, 53577..53780		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o11.gs	Method	GENSCAN
Start	53565	End	54659

GI	none	Score	.83
Exons	53565..54659		
Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o9.np	Method	AAT/NAP
Start	53598	End	54659
GI	4056491	Score	281
Exons	53598..53962, 54032..54659		
GI Descrip.	(AC005896) unknown protein [Arabidopsis thaliana]		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o3.tm	Method	TBLASTX:Maize
Start	53979	End	54545
GI	none	Score	290
Exons	53979..54281, 53982..54395, 53983..54288, 54297..54542, 54299..54544, 54300..54545, 54383..54544		

Seq. No.	34831	Seq. ID	OJ990428_20.9924.C22
Gene No.	71960	Strand	-
Start	53565	End	54690
Name	OJ990428_20.9924.C22.o18.gp	Method	AAT/GAP
Start	54102	End	54690
GI	569191	Score	840
Exons	54102..54690		
GI Descrip.	4056491 3.0e-15 (AC005896) unknown protein [Arabidopsis thaliana]		

Seq. No.	34832	Seq. ID	OJ990428_20.9924.C23
Gene No.	71961	Strand	-
Start	30	End	95
Name	OJ990428_20.9924.C23.o1.gs	Method	GENSCAN
Start	30	End	95
GI	none	Score	.81
Exons	30..95		

Seq. No.	34833	Seq. ID	OJ990428_20.9924.C25
Gene No.	71962	Strand	+
Start	1	End	210
Name	OJ990428_20.9924.C25.o1.np	Method	AAT/NAP
Start	1	End	210
GI	2129613	Score	133
Exons	1..94, 188..210		
GI Descrip.	homeotic protein BEL1 - Arabidopsis thaliana gi 1122533 (U39944) BEL1 [Arabidopsis thaliana]		

Seq. No.	34833	Seq. ID	OJ990428_20.9924.C25
Gene No.	71962	Strand	+
Start	1	End	210
Name	OJ990428_20.9924.C25.o1.tm	Method	TBLASTX:Maize
Start	2	End	97
GI	none	Score	172
Exons	2..97, 3..95		

Seq. No. 34833
 Gene No. 71962
 Start 1
 Name OJ990428_20.9924.C25.o1.gs
 Start 3
 GI none
 Exons 3..94

Seq. ID OJ990428_20.9924.C25
 Strand +
 End 210
 Method GENSCAN
 End 94
 Score 1

Seq. No. 34834
 Gene No. 71963
 Start 503
 Name OJ990428_22.9924.C1.o1.gs
 Start 503
 GI none
 Exons 503..664

Seq. ID OJ990428_22.9924.C1
 Strand -
 End 664
 Method GENSCAN
 End 664
 Score .49

Seq. No. 34835
 Gene No. 71964
 Start 159
 Name OJ990428_22.9924.C2.o1.gp
 Start 159
 GI uc-osflcyp033a04b1
 Exons 159..543

Seq. ID OJ990428_22.9924.C2
 Strand +
 End 8155
 Method AAT/GAP
 End 543
 Score 616

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No. 34835
 Gene No. 71964
 Start 159
 Name OJ990428_22.9924.C2.o1.gs
 Start 264
 GI none
 Exons 264..329, 1428..2193, 2232..2260, 2486..6908, 7635..8155

Seq. ID OJ990428_22.9924.C2
 Strand +
 End 8155
 Method GENSCAN
 End 8155
 Score .68

Seq. No. 34835
 Gene No. 71964
 Start 159
 Name OJ990428_22.9924.C2.o3.gp
 Start 1703
 GI 95437_1.R1084
 Exons 1703..2157

Seq. ID OJ990428_22.9924.C2
 Strand +
 End 8155
 Method AAT/GAP
 End 2157
 Score 782

GI Descrip. '4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'

Seq. No. 34835
 Gene No. 71964
 Start 159
 Name OJ990428_22.9924.C2.o1.np
 Start 2483
 GI 4680179
 Exons 2483..3487, 3521..6922
 GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. ID OJ990428_22.9924.C2
 Strand +
 End 8155
 Method AAT/NAP
 End 6922
 Score 5396

Seq. No. 34835
 Gene No. 71964
 Start 159

Seq. ID OJ990428_22.9924.C2
 Strand +
 End 8155

Name	OJ990428_22.9924.C2.o2.np	Method	AAT/NAP
Start	7499	End	7998
GI	559557	Score	69
Exons	7499..7575, 7651..7998		
GI Descrip.	(U14009) arabinogalactan-protein [Pyrus communis]		

Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71965	Strand	+
Start	9140	End	12316
Name	OJ990428_22.9924.C2.o5.gp	Method	AAT/GAP
Start	9035	End	9419
GI	uC-osflcyp033a04b1	Score	612
Exons	9035..9419		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71965	Strand	+
Start	9140	End	12316
Name	OJ990428_22.9924.C2.o3.gs	Method	GENSCAN
Start	9140	End	12316
GI	none	Score	.58
Exons	9140..9205, 10679..12052, 12161..12316		

Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71965	Strand	+
Start	9140	End	12316
Name	OJ990428_22.9924.C2.o4.np	Method	AAT/NAP
Start	11240	End	11965
GI	6324074	Score	122
Exons	11240..11411, 11574..11734, 11861..11965		
GI Descrip.	Contains seven cysteine rich zinc finger motifs of the 'CCHC retroviral-type'; Gis2p gi 1730843 sp P53849 YNZ5_YEAST HYPOTHETICAL 17.1 KD PROTEIN IN SIP3-MRPL30 INTERGENIC REGION gi 2131945 pir S63228 hypothetical protein YNL255c - yeast (Saccharomyces cerevisiae) gi 1255963 emb CAA65489 (X96722) ORF N0852 [Saccharomyces cerevisiae] gi 1302303 emb CAA96162 (Z71		

Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71966	Strand	-
Start	8405	End	8590
Name	OJ990428_22.9924.C2.o2.gs	Method	GENSCAN
Start	8405	End	8590
GI	none	Score	.47
Exons	8405..8590		

Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o9.tw	Method	TBLASTX:Wheat
Start	2565	End	2907
GI	none	Score	211
Exons	2565..2597, 2681..2701, 2708..2905, 2710..2907, 2817..2906		

Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917

Name	OJ990428_22.9924.C2.o7.tw	Method	TBLASTX:Wheat
Start	2941	End	3292
GI	none	Score	293
Exons	2941..3135, 2942..3292		
Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o6.tm	Method	TBLASTX:Maize
Start	2942	End	3247
GI	none	Score	232
Exons	2942..3247, 2956..3072		
Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o7.tm	Method	TBLASTX:Maize
Start	3512	End	3867
GI	none	Score	189
Exons	3512..3865, 3622..3684, 3775..3867		
Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o8.tw	Method	TBLASTX:Wheat
Start	3548	End	3970
GI	none	Score	166
Exons	3548..3757, 3616..3756, 3802..3915, 3803..3970		
Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o4.tw	Method	TBLASTX:Wheat
Start	4081	End	4567
GI	none	Score	52
Exons	4081..4524, 4085..4135, 4190..4567, 4199..4564		
Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o5.tm	Method	TBLASTX:Maize
Start	4096	End	4386
GI	none	Score	276
Exons	4096..4386, 4097..4384		
Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o3.tm	Method	TBLASTX:Maize
Start	4454	End	4954
GI	none	Score	167
Exons	4454..4633, 4462..4608, 4640..4954, 4780..4833, 4861..4947		
Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o1.ts	Method	TBLASTX:Soybean

Start	4508	End	4903
GI	none	Score	57
Exons	4508..4540, 4510..4539, 4544..4903, 4546..4584, 4612..4902		

Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o5.tw	Method	TBLASTX:Wheat
Start	4616	End	4918
GI	none	Score	382
Exons	4616..4918, 4617..4697, 4618..4902		

Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o3.tw	Method	TBLASTX:Wheat
Start	4919	End	5341
GI	none	Score	598
Exons	4919..5341, 4951..5340		

Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o3.ts	Method	TBLASTX:Soybean
Start	4925	End	5170
GI	none	Score	210
Exons	4925..5170, 4942..5169		

Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o2.tm	Method	TBLASTX:Maize
Start	4990	End	5353
GI	none	Score	482
Exons	4990..5340, 4991..5344, 4991..5353		

Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o2.tw	Method	TBLASTX:Wheat
Start	5344	End	5911
GI	none	Score	646
Exons	5344..5907, 5375..5911, 5447..5911		

Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o1.tc	Method	TBLASTX:Cress
Start	5618	End	5935
GI	none	Score	90
Exons	5618..5791, 5792..5935, 5794..5934		

Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o2.ts	Method	TBLASTX:Soybean
Start	5699	End	5959

GI	none	Score	297
Exons	5699..5959, 5704..5958		
Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o4.tm	Method	TBLASTX:Maize
Start	5757	End	6049
GI	none	Score	79
Exons	5757..5909, 5758..6045, 5759..6049		

Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o1.tw	Method	TBLASTX:Wheat
Start	5918	End	6544
GI	none	Score	707
Exons	5918..6544, 5974..6432, 6419..6541		

Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o1.tm	Method	TBLASTX:Maize
Start	6098	End	6682
GI	none	Score	231
Exons	6098..6259, 6106..6252, 6256..6681, 6257..6682		

Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o6.tw	Method	TBLASTX:Wheat
Start	6544	End	6877
GI	none	Score	324
Exons	6544..6813, 6545..6877, 6548..6856		

Seq. No.	34835	Seq. ID	OJ990428_22.9924.C2
Gene No.	71967	Strand	-
Start	8964	End	10917
Name	OJ990428_22.9924.C2.o3.np	Method	AAT/NAP
Start	8964	End	10917
GI	4680186	Score	222
Exons	8964..9168, 10896..10917		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	34836	Seq. ID	OJ990428_22.9924.C3
Gene No.	71968	Strand	+
Start	7852	End	8244
Name	OJ990428_22.9924.C3.o1.gp	Method	AAT/GAP
Start	7852	End	8244
GI	2135_1.R1084	Score	714
Exons	7852..8244		
GI Descrip.	'11957/emb X15901 CHOSXX 1.0e-159 Rice complete chloroplast genome'		

Seq. No.	34836	Seq. ID	OJ990428_22.9924.C3
Gene No.	71969	Strand	+
Start	8282	End	8340

Name	OJ990428_22.9924.C3.o2.gp	Method	AAT/GAP
Start	8282	End	8340
GI	2721_1.R1084	Score	84
Exons	8282..8340		
GI Descrip.	'114622/sp P12087 ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir_LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992 (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf_1603356W ATPase I [Oryza sativa]'		

Seq. No.	34836	Seq. ID	OJ990428_22.9924.C3
Gene No.	71970	Strand	+
Start	15274	End	15635
Name	OJ990428_22.9924.C3.o3.np	Method	AAT/NAP
Start	15274	End	15635
GI	5922634	Score	83
Exons	15274..15375, 15564..15635		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016867 dbj BAA85210.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	34836	Seq. ID	OJ990428_22.9924.C3
Gene No.	71971	Strand	-
Start	440	End	2353
Name	OJ990428_22.9924.C3.o1.gs	Method	GENSCAN
Start	440	End	2353
GI	none	Score	.76
Exons	440..2353		

Seq. No.	34836	Seq. ID	OJ990428_22.9924.C3
Gene No.	71971	Strand	-
Start	440	End	2353
Name	OJ990428_22.9924.C3.o1.np	Method	AAT/NAP
Start	613	End	2353
GI	4680203	Score	1039
Exons	613..2353		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	34836	Seq. ID	OJ990428_22.9924.C3
Gene No.	71972	Strand	-
Start	2330	End	11599
Name	OJ990428_22.9924.C3.o2.np	Method	AAT/NAP
Start	2330	End	9269
GI	6539553	Score	1220
Exons	2330..2353, 4352..4502, 7537..7873, 8340..8873, 8955..9269		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	34836	Seq. ID	OJ990428_22.9924.C3
Gene No.	71972	Strand	-
Start	2330	End	11599
Name	OJ990428_22.9924.C3.o3.gs	Method	GENSCAN
Start	8385	End	11599
GI	none	Score	.68
Exons	8385..8679, 8964..9185, 9706..10262, 11537..11599		

Seq. No.	34836	Seq. ID	OJ990428_22.9924.C3
Gene No.	71973	Strand	-
Start	13955	End	14140
Name	OJ990428_22.9924.C3.o2.tm	Method	TBLASTX:Maize
Start	878	End	1363
GI	none	Score	74
Exons	878..967, 882..971, 971..1018, 1019..1066, 1060..1095, 1163..1252, 1164..1256, 1259..1363, 1260..1355		

Seq. No.	34836	Seq. ID	OJ990428_22.9924.C3
Gene No.	71973	Strand	-
Start	13955	End	14140
Name	OJ990428_22.9924.C3.o3.tw	Method	TBLASTX:Wheat
Start	929	End	1264
GI	none	Score	57
Exons	929..967, 977..1075, 993..1064, 1121..1219, 1122..1217, 1223..1264		

Seq. No.	34836	Seq. ID	OJ990428_22.9924.C3
Gene No.	71973	Strand	-
Start	13955	End	14140
Name	OJ990428_22.9924.C3.o1.tc	Method	TBLASTX:Cress.
Start	1169	End	1501
GI	none	Score	82
Exons	1169..1501, 1224..1331, 1365..1415		

Seq. No.	34836	Seq. ID	OJ990428_22.9924.C3
Gene No.	71973	Strand	-
Start	13955	End	14140
Name	OJ990428_22.9924.C3.o2.ts	Method	TBLASTX:Soybean
Start	1250	End	1525
GI	none	Score	130
Exons	1250..1525, 1251..1490		

Seq. No.	34836	Seq. ID	OJ990428_22.9924.C3
Gene No.	71973	Strand	-
Start	13955	End	14140
Name	OJ990428_22.9924.C3.o2.tw	Method	TBLASTX:Wheat
Start	1265	End	1858
GI	none	Score	69
Exons	1265..1390, 1266..1373, 1394..1510, 1409..1507, 1566..1856, 1568..1858		

Seq. No.	34836	Seq. ID	OJ990428_22.9924.C3
Gene No.	71973	Strand	-
Start	13955	End	14140
Name	OJ990428_22.9924.C3.o1.ts	Method	TBLASTX:Soybean
Start	1568	End	1840
GI	none	Score	101
Exons	1568..1840, 1575..1823		

Seq. No.	34836	Seq. ID	OJ990428_22.9924.C3
Gene No.	71973	Strand	-
Start	13955	End	14140
Name	OJ990428_22.9924.C3.o3.tm	Method	TBLASTX:Maize
Start	7540	End	7771

GI	none	Score	153
Exons	7540..7677, 7550..7678, 7557..7685, 7560..7676, 7597..7677, 7665..7748, 7666..7749, 7678..7749, 7679..7762, 7679..7771		

Seq. No.	34836	Seq. ID	OJ990428_22.9924.C3
Gene No.	71973	Strand	-
Start	13955	End	14140
Name	OJ990428_22.9924.C3.o1.tm	Method	TBLASTX:Maize
Start	7868	End	8340
GI	none	Score	106
Exons	7868..7951, 7889..7975, 7895..8008, 7968..8036, 7969..8037, 7971..8036, 8005..8043, 8037..8141, 8037..8183, 8123..8254, 8123..8260, 8133..8261, 8145..8285, 8146..8262, 8251..8328, 8262..8339, 8262..8339, 8263..8340		

Seq. No.	34836	Seq. ID	OJ990428_22.9924.C3
Gene No.	71973	Strand	-
Start	13955	End	14140
Name	OJ990428_22.9924.C3.o1.tw	Method	TBLASTX:Wheat
Start	7937	End	8360
GI	none	Score	133
Exons	7937..8056, 7939..8052, 7946..7978, 8052..8135, 8053..8136, 8054..8164, 8055..8135, 8056..8154, 8137..8259, 8138..8260, 8139..8261, 8143..8262, 8251..8298, 8260..8298, 8269..8328, 8295..8339, 8295..8360, 8299..8355		

Seq. No.	34836	Seq. ID	OJ990428_22.9924.C3
Gene No.	71973	Strand	-
Start	13955	End	14140
Name	OJ990428_22.9924.C3.o4.gs	Method	GENSCAN
Start	13955	End	14140
GI	none	Score	.56
Exons	13955..14140		

Seq. No.	34837	Seq. ID	OJ990428_22.9924.C4
Gene No.	71974	Strand	+
Start	1073	End	1166
Name	OJ990428_22.9924.C4.o1.np	Method	AAT/NAP
Start	1073	End	1166
GI	4098238	Score	85
Exons	1073..1166		
GI Descrip.	(U76384) o-methyltransferase [Triticum aestivum]		

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71975	Strand	+
Start	6323	End	9443
Name	OJ990428_22.9924.C5.o2.gs	Method	GENSCAN
Start	6323	End	9443
GI	none	Score	.65
Exons	6323..6402, 6797..6912, 8137..8228, 8630..8719, 9270..9443		

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71976	Strand	+
Start	18811	End	24273
Name	OJ990428_22.9924.C5.o5.gs	Method	GENSCAN
Start	18811	End	24273
GI	none	Score	.66

Exons 18811..18950, 19468..19595, 20429..20701, 22031..22074,
22277..22741, 23495..23639, 24197..24273

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71977	Strand	+
Start	25756	End	26283
Name	OJ990428_22.9924.C5.o3.gp	Method	AAT/GAP
Start	25756	End	26283
GI	none	Score	352
Exons	25756..25979, 26263..26283		

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71978	Strand	-
Start	12594	End	13217
Name	OJ990428_22.9924.C5.o3.gs	Method	GENSCAN
Start	12594	End	13217
GI	none	Score	.41
Exons	12594..12701, 12770..13105, 13140..13217		

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71979	Strand	-
Start	14164	End	17748
Name	OJ990428_22.9924.C5.o1.np	Method	AAT/NAP
Start	14164	End	17638
GI	4234852	Score	2232
Exons	14164..17428, 17462..17638		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71979	Strand	-
Start	14164	End	17748
Name	OJ990428_22.9924.C5.o4.gs	Method	GENSCAN
Start	15730	End	17632
GI	none	Score	.74
Exons	15730..15836, 16791..16897, 16941..17632		

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71979	Strand	-
Start	14164	End	17748
Name	OJ990428_22.9924.C5.o1.gp	Method	AAT/GAP
Start	16432	End	17005
GI	uC-osflcyp006a10b1	Score	834
Exons	16432..16683, 16791..17005		
GI Descrip.	'4234846 7.0e-13 (AF082130) gag-pol polyprotein [Zea mays]'		

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71979	Strand	-
Start	14164	End	17748
Name	OJ990428_22.9924.C5.o2.gp	Method	AAT/GAP
Start	17237	End	17748
GI	uC-osflM202052c07b1	Score	999
Exons	17237..17748		
GI Descrip.	'4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'		

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71980	Strand	-
Start	25583	End	27309

Name	OJ990428_22.9924.C5.o6.gs	Method	GENSCAN
Start	25583	End	27309
GI	none	Score	.79
Exons	25583..25737, 26837..26929, 27166..27309		

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71981	Strand	-
Start	28939	End	29056
Name	OJ990428_22.9924.C5.o4.tm	Method	TBLASTX:Maize
Start	11873	End	12046
GI	none	Score	201
Exons	11873..12046, 11881..12033		

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71981	Strand	-
Start	28939	End	29056
Name	OJ990428_22.9924.C5.o2.tm	Method	TBLASTX:Maize
Start	12595	End	14293
GI	none	Score	46
Exons	12595..12702, 12725..12751, 12743..12901, 12744..12896, 12801..13007, 12953..13006, 13068..13106, 13070..13090, 13130..13159, 14135..14293		

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71981	Strand	-
Start	28939	End	29056
Name	OJ990428_22.9924.C5.o2.tw	Method	TBLASTX:Wheat
Start	14215	End	14611
GI	none	Score	75
Exons	14215..14430, 14438..14611, 14439..14579		

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71981	Strand	-
Start	28939	End	29056
Name	OJ990428_22.9924.C5.o3.tm	Method	TBLASTX:Maize
Start	14680	End	14964
GI	none	Score	80
Exons	14680..14964, 14690..14830		

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71981	Strand	-
Start	28939	End	29056
Name	OJ990428_22.9924.C5.o1.tw	Method	TBLASTX:Wheat
Start	14770	End	15548
GI	none	Score	66
Exons	14770..14976, 14774..14968, 14909..15145, 14955..15137, 14955..15173, 15180..15263, 15250..15489, 15263..15397, 15274..15498, 15498..15548		

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71981	Strand	-
Start	28939	End	29056
Name	OJ990428_22.9924.C5.o1.ts	Method	TBLASTX:Soybean
Start	15259	End	15666
GI	5509260	Score	70
Exons	15259..15489, 15320..15481, 15325..15498, 15486..15641, 15511..15642, 15634..15666		

GI Descrip. -

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71981	Strand	-
Start	28939	End	29056
Name	OJ990428_22.9924.C5.o5.tm	Method	TBLASTX:Maize
Start	15373	End	15677
GI	none	Score	66
Exons	15373..15489, 15486..15677, 15511..15669		

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71981	Strand	-
Start	28939	End	29056
Name	OJ990428_22.9924.C5.o1.tm	Method	TBLASTX:Maize
Start	16943	End	17545
GI	none	Score	113
Exons	16943..17221, 16967..17545, 16977..17423		

Seq. No.	34838	Seq. ID	OJ990428_22.9924.C5
Gene No.	71981	Strand	-
Start	28939	End	29056
Name	OJ990428_22.9924.C5.o4.gp	Method	AAT/GAP
Start	28939	End	29056
GI	21474-1:R1084	Score	207
Exons	28939..29056		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	34839	Seq. ID	OJ990428_22.9924.C6
Gene No.	71982	Strand	-
Start	361	End	4138
Name	OJ990428_22.9924.C6.o1.gs	Method	GENSCAN
Start	361	End	4138
GI	none	Score	.72
Exons	361..546, 599..724, 819..891, 976..1086, 1183..1356, 1466..2103, 2153..2448, 2574..2715, 2790..4138		

Seq. No.	34839	Seq. ID	OJ990428_22.9924.C6
Gene No.	71982	Strand	-
Start	361	End	4138
Name	OJ990428_22.9924.C6.o1.np	Method	AAT/NAP
Start	379	End	4100
GI	4680204	Score	1130
Exons	379..516, 867..1086, 1183..1356, 1466..2715, 2790..4100		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	34839	Seq. ID	OJ990428_22.9924.C6
Gene No.	71982	Strand	-
Start	361	End	4138
Name	OJ990428_22.9924.C6.o2.tw	Method	TBLASTX:Wheat
Start	1017	End	1539
GI	none	Score	58
Exons	1017..1088, 1188..1370, 1195..1320, 1459..1539		

Seq. No.	34839	Seq. ID	OJ990428_22.9924.C6
Gene No.	71982	Strand	-
Start	361	End	4138

Name	OJ990428_22.9924.C6.ol.tw	Method	TBLASTX:Wheat
Start	3180	End	3583
GI	none	Score	50
Exons	3180..3275, 3180..3350, 3313..3480, 3345..3581, 3432..3581, 3443..3583, 3467..3583		

Seq. No.	34840	Seq. ID	OJ990428_22.9924.C7
Gene No.	71983	Strand	+
Start	362	End	409
Name	OJ990428_22.9924.C7.ol.gs	Method	GENSCAN
Start	362	End	409
GI	none	Score	.52
Exons	362..409		

Seq. No.	34840	Seq. ID	OJ990428_22.9924.C7
Gene No.	71984	Strand	-
Start	236	End	1090
Name	OJ990428_22.9924.C7.ol.np	Method	AAT/NAP
Start	236	End	1090
GI	2827516	Score	84
Exons	236..381, 1003..1090		

GI Descrip. (AL021633) DNA topoisomerase like-protein [Arabidopsis thaliana]

Seq. No.	34841	Seq. ID	OJ990428_22.9924.C8
Gene No.	71985	Strand	+
Start	66	End	918
Name	OJ990428_22.9924.C8.ol.gs	Method	GENSCAN
Start	66	End	918
GI	none	Score	.77
Exons	66..157, 796..918		

Seq. No.	34841	Seq. ID	OJ990428_22.9924.C8
Gene No.	71986	Strand	-
Start	753	End	12830
Name	OJ990428_22.9924.C8.ol.np	Method	AAT/NAP
Start	753	End	8305
GI	2827516	Score	883
Exons	753..808, 2354..3005, 3985..4240, 5558..5751, 8225..8305		
GI Descrip.	(AL021633) DNA topoisomerase like-protein [Arabidopsis thaliana]		

Seq. No.	34841	Seq. ID	OJ990428_22.9924.C8
Gene No.	71986	Strand	-
Start	753	End	12830
Name	OJ990428_22.9924.C8.o2.gs	Method	GENSCAN
Start	1772	End	12256
GI	none	Score	.41
Exons	1772..1900, 2158..2244, 2351..3005, 3886..4931, 5406..5489, 6427..6442, 6488..6710, 6739..6854, 7841..8031, 8325..8624, 10615..11375, 11762..11906, 12203..12256		

Seq. No.	34841	Seq. ID	OJ990428_22.9924.C8
Gene No.	71986	Strand	-
Start	753	End	12830
Name	OJ990428_22.9924.C8.o2.np	Method	AAT/NAP
Start	5618	End	8010
GI	401190	Score	252
Exons	5618..5700, 6558..6846, 7897..8010		

GI Descrip. THAUMATIN-LIKE PROTEIN PRECURSOR gi|100715|pir||S25551
 thaumatin-like protein - rice gi|20376|emb|CAA48278| (X68197)
 thaumatin-like protein [Oryza sativa]

Seq. No.	34841	Seq. ID	OJ990428_22.9924.C8
Gene No.	71986	Strand	-
Start	753	End	12830
Name	OJ990428_22.9924.C8.o3.np	Method	AAT/NAP
Start	10570	End	12830
GI	1172874	Score	243
Exons	10570..10713, 10741..11175, 12810..12830		

GI Descrip. DEHYDRATION-RESPONSIVE PROTEIN RD22 PRECURSOR
 gi|479589|pir||S34823 dehydration-induced protein RD22 -
 Arabidopsis thaliana gi|391608|dbj|BAA01546| (D10703) rd22
 [Arabidopsis thaliana] gi|447134|prf||1913421A rd22 gene
 [Arabidopsis thaliana]

Seq. No.	34841	Seq. ID	OJ990428_22.9924.C8
Gene No.	71987	Strand	-
Start	13403	End	14126
Name	OJ990428_22.9924.C8.o3.gs	Method	GENSCAN
Start	13403	End	14126
GI	none	Score	54
Exons	13403..13484, 13987..14126		

Seq. No.	34841	Seq. ID	OJ990428_22.9924.C8
Gene No.	71988	Strand	-
Start	15666	End	16188
Name	OJ990428_22.9924.C8.o2.ts	Method	TBLASTX:Soybean
Start	2818	End	3926
GI	none	Score	160
Exons	2818..3006, 2852..3007, 2865..3002, 3885..3926		

Seq. No.	34841	Seq. ID	OJ990428_22.9924.C8
Gene No.	71988	Strand	-
Start	15666	End	16188
Name	OJ990428_22.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	10573	End	11837
GI	none	Score	53
Exons	10573..10623, 10574..10624, 10612..10710, 10613..10711, 10759..10836, 10766..10837, 10784..10837, 10912..11076, 10913..11089, 10917..11093, 11087..11239, 11089..11250, 11760..11837		

Seq. No.	34841	Seq. ID	OJ990428_22.9924.C8
Gene No.	71988	Strand	-
Start	15666	End	16188
Name	OJ990428_22.9924.C8.o1.ts	Method	TBLASTX:Soybean
Start	10573	End	11831
GI	none	Score	73
Exons	10573..10713, 10574..10705, 10759..10845, 10796..10891, 10921..11025, 11092..11172, 11769..11831		

Seq. No.	34841	Seq. ID	OJ990428_22.9924.C8
Gene No.	71988	Strand	-
Start	15666	End	16188
Name	OJ990428_22.9924.C8.o1.tc	Method	TBLASTX:Cress

Start	10579	End	11031
GI	none	Score	58
Exons	10579..10713, 10604..10705, 10759..10902, 10766..10843, 10921..11031, 10922..11023		

Seq. No.	34841	Seq. ID	OJ990428_22.9924.C8
Gene No.	71988	Strand	-
Start	15666	End	16188
Name	OJ990428_22.9924.C8.o1.tw	Method	TBLASTX:Wheat
Start	10916	End	11244
GI	none	Score	164
Exons	10916..11239, 10927..11244, 10930..11238		

Seq. No.	34841	Seq. ID	OJ990428_22.9924.C8
Gene No.	71988	Strand	-
Start	15666	End	16188
Name	OJ990428_22.9924.C8.o4.gs	Method	GENSCAN
Start	15666	End	16188
GI	none	Score	.69
Exons	15666..15892, 15897..16188		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71989	Strand	+
Start	472	End	662
Name	OJ990428_22.9924.C9.o1.gs	Method	GENSCAN
Start	472	End	662
GI	none	Score	.48
Exons	472..662		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71990	Strand	+
Start	7073	End	10337
Name	OJ990428_22.9924.C9.o2.np	Method	AAT/NAP
Start	7073	End	10334
GI	6907089	Score	4295
Exons	7073..8334, 8432..10334		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71990	Strand	+
Start	7073	End	10337
Name	OJ990428_22.9924.C9.o4.gs	Method	GENSCAN
Start	7073	End	10337
GI	none	Score	.99
Exons	7073..8334, 8432..10337		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71991	Strand	-
Start	1901	End	3369
Name	OJ990428_22.9924.C9.o2.gs	Method	GENSCAN
Start	1901	End	3348
GI	none	Score	.85
Exons	1901..2767, 2815..3348		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71991	Strand	-
Start	1901	End	3369

Name	OJ990428_22.9924.C9.o1.np	Method	AAT/NAP
Start	2004	End	3369
GI	4836933	Score	625
Exons	2004..3369		
GI Descrip.	(AC006085) Highly similar to UDPG glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71992	Strand	-
Start	5207	End	5909
Name	OJ990428_22.9924.C9.o3.gs	Method	GENSCAN
Start	5207	End	5909
GI	none	Score	.89
Exons	5207..5224, 5387..5560, 5832..5909		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71993	Strand	-
Start	10976	End	14065
Name	OJ990428_22.9924.C9.o1.tc	Method	TBLASTX:Cress
Start	2079	End	2303
GI	none	Score	142
Exons	2079..2303, 2093..2302		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71993	Strand	-
Start	10976	End	14065
Name	OJ990428_22.9924.C9.o1.ts	Method	TBLASTX:Soybean
Start	2117	End	3312
GI	none	Score	118
Exons	2117..2311, 2166..2360, 2387..2728, 2451..2561, 3214..3312		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71993	Strand	-
Start	10976	End	14065
Name	OJ990428_22.9924.C9.o2.tm	Method	TBLASTX:Maize
Start	2141	End	2311
GI	none	Score	65
Exons	2141..2311, 2166..2306		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71993	Strand	-
Start	10976	End	14065
Name	OJ990428_22.9924.C9.o4.tw	Method	TBLASTX:Wheat
Start	2147	End	2327
GI	none	Score	124
Exons	2147..2311, 2166..2327		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71993	Strand	-
Start	10976	End	14065
Name	OJ990428_22.9924.C9.o3.ts	Method	TBLASTX:Soybean
Start	2827	End	3163
GI	none	Score	49
Exons	2827..2976, 2903..2971, 3088..3156, 3089..3163		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71993	Strand	-

Start	10976	End	14065
Name	OJ990428_22.9924.C9.o4.tm	Method	TBLASTX:Maize
Start	10955	End	11119
GI	none	Score	116
Exons	10955..11119, 10980..11114		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71993	Strand	-
Start	10976	End	14065
Name	OJ990428_22.9924.C9.o5.gs	Method	GENSCAN
Start	10976	End	13905
GI	none	Score	.69
Exons	10976..13905		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71993	Strand	-
Start	10976	End	14065
Name	OJ990428_22.9924.C9.o3.np	Method	AAT/NAP
Start	10979	End	14065
GI	6498441	Score	3819
Exons	10979..11260, 11354..12751, 12923..13402, 13787..14065		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene. Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71993	Strand	-
Start	10976	End	14065
Name	OJ990428_22.9924.C9.o3.tw	Method	TBLASTX:Wheat
Start	10988	End	11590
GI	none	Score	80
Exons	10988..11113, 10992..11114, 11306..11590, 11307..11585		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71993	Strand	-
Start	10976	End	14065
Name	OJ990428_22.9924.C9.o1.tw	Method	TBLASTX:Wheat
Start	11591	End	11971
GI	none	Score	172
Exons	11591..11971, 11622..11870, 11717..11962		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71993	Strand	-
Start	10976	End	14065
Name	OJ990428_22.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	11786	End	12109
GI	none	Score	189
Exons	11786..12109, 11787..12092		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71993	Strand	-
Start	10976	End	14065
Name	OJ990428_22.9924.C9.o5.tw	Method	TBLASTX:Wheat
Start	12302	End	12614
GI	none	Score	80
Exons	12302..12562, 12413..12601, 12438..12614		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71993	Strand	-
Start	10976	End	14065
Name	OJ990428_22.9924.C9.o2.ts	Method	TBLASTX:Soybean
Start	12362	End	12928
GI	5666795	Score	68
Exons	12362..12562, 12617..12754, 12830..12928		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71993	Strand	-
Start	10976	End	14065
Name	OJ990428_22.9924.C9.o2.tw	Method	TBLASTX:Wheat
Start	12617	End	13075
GI	none	Score	92
Exons	12617..12766, 12618..12755, 12620..12757, 12813..12986, 12827..13075, 12827..13051		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71993	Strand	-
Start	10976	End	14065
Name	OJ990428_22.9924.C9.o6.tw	Method	TBLASTX:Wheat
Start	13784	End	14064
GI	none	Score	143
Exons	13784..13909, 13909..14064		

Seq. No.	34842	Seq. ID	OJ990428_22.9924.C9
Gene No.	71993	Strand	-
Start	10976	End	14065
Name	OJ990428_22.9924.C9.o3.tm	Method	TBLASTX:Maize
Start	13814	End	14065
GI	none	Score	55
Exons	13814..13897, 13815..13895, 13915..14064, 13916..14065		

Seq. No.	34843	Seq. ID	OJ990428_22.9924.C10
Gene No.	71994	Strand	+
Start	1	End	11690
Name	OJ990428_22.9924.C10.o1.np	Method	AAT/NAP
Start	1	End	2035
GI	6742729	Score	660
Exons	1..43, 1062..2035		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	34843	Seq. ID	OJ990428_22.9924.C10
Gene No.	71994	Strand	+
Start	1	End	11690
Name	OJ990428_22.9924.C10.o1.gs	Method	GENSCAN
Start	121	End	11690
GI	none	Score	.46
Exons	121..206, 1295..2522, 3238..3591, 4198..4253, 4279..4402, 4493..6726, 6812..7063, 7344..7425, 7700..7866, 8168..8335, 10074..10438, 11194..11690		

Seq. No.	34843	Seq. ID	OJ990428_22.9924.C10
Gene No.	71995	Strand	+
Start	12832	End	17291
Name	OJ990428_22.9924.C10.o2.gs	Method	GENSCAN

Start	12832	End	17156
GI	none	Score	.62
Exons	12832..13006, 13467..13646, 15505..15737, 16697..17156		

Seq. No.	34843	Seq. ID	OJ990428_22.9924.C10
Gene No.	71995	Strand	+
Start	12832	End	17291
Name	OJ990428_22.9924.C10.o2.gp	Method	AAT/GAP
Start	16249	End	16836
GI	2310235	Score	299
Exons	16249..16286, 16697..16836		
GI Descrip.	5852182/emb CAB55420.1 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	34843	Seq. ID	OJ990428_22.9924.C10
Gene No.	71995	Strand	+
Start	12832	End	17291
Name	OJ990428_22.9924.C10.o3.np	Method	AAT/NAP
Start	16697	End	17291
GI	4680203	Score	544
Exons	16697..17291		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	34843	Seq. ID	OJ990428_22.9924.C10
Gene No.	71996	Strand	-
Start	3112	End	11664
Name	OJ990428_22.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	1173	End	1556
GI	none	Score	59
Exons	1173..1241, 1241..1555, 1242..1556		

Seq. No.	34843	Seq. ID	OJ990428_22.9924.C10
Gene No.	71996	Strand	-
Start	3112	End	11664
Name	OJ990428_22.9924.C10.o1.tw	Method	TBLASTX:Wheat
Start	1197	End	2330
GI	none	Score	551
Exons	1197..1913, 1250..1825, 1922..2104, 1932..2120, 2097..2198, 2108..2227, 2229..2330, 2231..2323		

Seq. No.	34843	Seq. ID	OJ990428_22.9924.C10
Gene No.	71996	Strand	-
Start	3112	End	11664
Name	OJ990428_22.9924.C10.o1.tc	Method	TBLASTX:Cress
Start	1488	End	1913
GI	none	Score	317
Exons	1488..1913, 1496..1825		

Seq. No.	34843	Seq. ID	OJ990428_22.9924.C10
Gene No.	71996	Strand	-
Start	3112	End	11664
Name	OJ990428_22.9924.C10.o2.tm	Method	TBLASTX:Maize
Start	1806	End	2096
GI	none	Score	146
Exons	1806..1976, 1854..1970, 1988..2095, 1989..2096		

Seq. No.	34843	Seq. ID	OJ990428_22.9924.C10
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Gene No.	71996	Strand	-
Start	3112	End	11664
Name	OJ990428_22.9924.C10.o1.ts	Method	TBLASTX:Soybean
Start	2178	End	2390
GI	none	Score	187
Exons	2178..2390, 2178..2336		

Seq. No.	34843	Seq. ID	OJ990428_22.9924.C10
Gene No.	71996	Strand	-
Start	3112	End	11664
Name	OJ990428_22.9924.C10.o2.np	Method	AAT/NAP
Start	3112	End	11664
GI	121640	Score	275
Exons	3112..3580, 5994..6183, 10028..10112, 11260..11358, 11470..11664		
GI Descrip.	GLYCINE-RICH CELL WALL STRUCTURAL PROTEIN PRECURSOR gi 72320 pir KNMU glycine-rich cell wall protein precursor - Arabidopsis thaliana gi 16293 emb CAA41249 (X58338) glycine rich protein [Arabidopsis thaliana]		

Seq. No.	34843	Seq. ID	OJ990428_22.9924.C10
Gene No.	71996	Strand	-
Start	3112	End	11664
Name	OJ990428_22.9924.C10.o1.gp	Method	AAT/GAP
Start	10776	End	10937
GI	286806	Score	247
Exons	10776..10937		
GI Descrip.	5441872/dbj AP000366.1 AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	34843	Seq. ID	OJ990428_22.9924.C10
Gene No.	71997	Strand	-
Start	17048	End	17290
Name	OJ990428_22.9924.C10.o2.tw	Method	TBLASTX:Wheat
Start	17048	End	17290
GI	none	Score	103
Exons	17048..17155, 17138..17290, 17146..17277		

Seq. No.	34844	Seq. ID	OJ990428_22.9924.C11
Gene No.	71998	Strand	+
Start	1	End	3038
Name	OJ990428_22.9924.C11.o1.gp	Method	AAT/GAP
Start	1	End	3038
GI	342_1.R1084	Score	4837
Exons	1..2301, 2337..2356, 2439..2533, 2643..3038		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	34844	Seq. ID	OJ990428_22.9924.C11
Gene No.	71998	Strand	+
Start	1	End	3038
Name	OJ990428_22.9924.C11.o3.gp	Method	AAT/GAP
Start	1	End	2983
GI	342_1.R1084	Score	4736
Exons	1..2301, 2337..2356, 2439..2533, 2643..2983		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	34844	Seq. ID	OJ990428_22.9924.C11
Gene No.	71998	Strand	+
Start	1	End	3038
Name	OJ990428_22.9924.C11.o2.gp	Method	AAT/GAP
Start	1	End	2989
GI	342_1.R1084	Score	4748
Exons	1..2301, 2337..2356, 2439..2533, 2643..2989		
GI Descrip.	'4574406/gb AAD24042.1 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	34844	Seq. ID	OJ990428_22.9924.C11
Gene No.	71998	Strand	+
Start	1	End	3038
Name	OJ990428_22.9924.C11.o1.np	Method	AAT/NAP
Start	1	End	1670
GI	6742729	Score	2507
Exons	1..1670		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	34844	Seq. ID	OJ990428_22.9924.C11
Gene No.	71998	Strand	+
Start	1	End	3038
Name	OJ990428_22.9924.C11.o1.tm	Method	TBLASTX:Maize
Start	2	End	448
GI	none	Score	247
Exons	2..244, 2..244, 254..448		

Seq. No.	34844	Seq. ID	OJ990428_22.9924.C11
Gene No.	71998	Strand	+
Start	1	End	3038
Name	OJ990428_22.9924.C11.o2.tw	Method	TBLASTX:Wheat
Start	2	End	414
GI	none	Score	138
Exons	2..103, 10..99, 107..205, 112..204, 185..409, 206..409, 208..414		

Seq. No.	34844	Seq. ID	OJ990428_22.9924.C11
Gene No.	71998	Strand	+
Start	1	End	3038
Name	OJ990428_22.9924.C11.o1.gs	Method	GENSCAN
Start	50	End	2229
GI	none	Score	.63
Exons	50..860, 926..2229		

Seq. No.	34844	Seq. ID	OJ990428_22.9924.C11
Gene No.	71998	Strand	+
Start	1	End	3038
Name	OJ990428_22.9924.C11.o1.ts	Method	TBLASTX:Soybean
Start	278	End	520
GI	none	Score	219
Exons	278..520		

Seq. No.	34844	Seq. ID	OJ990428_22.9924.C11
Gene No.	71998	Strand	+
Start	1	End	3038
Name	OJ990428_22.9924.C11.o3.tw	Method	TBLASTX:Wheat
Start	509	End	844
GI	none	Score	106

Exons 509..631, 511..654, 628..807, 629..844, 641..811

Seq. No.	34844	Seq. ID	OJ990428_22.9924.C11
Gene No.	71998	Strand	+
Start	1	End	3038
Name	OJ990428_22.9924.C11.o1.tw	Method	TBLASTX:Wheat
Start	845	End	2154
GI	none	Score	301
Exons	845..1303, 867..1562, 867..1739, 868..1755, 1423..1740, 1750..1794, 1754..1789, 1797..1892, 1801..1860, 1839..1979, 1840..1980, 1908..1988, 1993..2073, 2062..2154, 2088..2153		

Seq. No.	34844	Seq. ID	OJ990428_22.9924.C11
Gene No.	71998	Strand	+
Start	1	End	3038
Name	OJ990428_22.9924.C11.o2.tm	Method	TBLASTX:Maize
Start	880	End	1194
GI	none	Score	311
Exons	880..1194, 891..1166, 964..1194		

Seq. No.	34844	Seq. ID	OJ990428_22.9924.C11
Gene No.	71998	Strand	+
Start	1	End	3038
Name	OJ990428_22.9924.C11.o1.tc	Method	TBLASTX:Gress
Start	1125	End	1572
GI	none	Score	160
Exons	1125..1562, 1125..1568, 1129..1572, 1423..1572		

Seq. No.	34845	Seq. ID	OJ990428_22.9924.C13
Gene No.	71999	Strand	-
Start	869	End	1018
Name	OJ990428_22.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	857	End	1018
GI	none	Score	109
Exons	857..1018, 870..1016, 893..1018		

Seq. No.	34845	Seq. ID	OJ990428_22.9924.C13
Gene No.	71999	Strand	-
Start	869	End	1018
Name	OJ990428_22.9924.C13.o1.np	Method	AAT/NAP
Start	869	End	1018
GI	1353193	Score	177
Exons	869..1018		
GI Descrip.	O-METHYLTRANSFERASE ZRP4 (OMT) gi 542186 pir JQ2268 O-methyltransferase (EC 2.1.1.-) - maize gi 404070 (L14063) O-methyltransferase [Zea mays]		

Seq. No.	34846	Seq. ID	OJ990428_22.9924.C14
Gene No.	72000	Strand	-
Start	321	End	1160
Name	OJ990428_22.9924.C14.o1.np	Method	AAT/NAP
Start	321	End	1160
GI	4098238	Score	601
Exons	321..671, 711..1160		
GI Descrip.	(U76384) o-methyltransferase [Triticum aestivum]		

Seq. No.	34846	Seq. ID	OJ990428_22.9924.C14
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Gene No.	72001	Strand	-
Start	3080	End	14482
Name	OJ990428_22.9924.C14.o1.ts	Method	TBLASTX:Soybean
Start	321	End	1136
GI	none	Score	51
Exons	321..386, 334..375, 411..530, 412..531, 534..665, 553..678, 828..1136		

Seq. No.	34846	Seq. ID	OJ990428_22.9924.C14
Gene No.	72001	Strand	-
Start	3080	End	14482
Name	OJ990428_22.9924.C14.o2.tm	Method	TBLASTX:Maize
Start	354	End	1124
GI	none	Score	96
Exons	354..398, 399..533, 400..624, 543..668, 729..797, 825..869, 864..1124, 892..1074		

Seq. No.	34846	Seq. ID	OJ990428_22.9924.C14
Gene No.	72001	Strand	-
Start	3080	End	14482
Name	OJ990428_22.9924.C14.o1.tw	Method	TBLASTX:Wheat
Start	399	End	668
GI	none	Score	100
Exons	399..536, 400..537, 536..637, 537..668, 537..668		

Seq. No.	34846	Seq. ID	OJ990428_22.9924.C14
Gene No.	72001	Strand	-
Start	3080	End	14482
Name	OJ990428_22.9924.C14.o2.tw	Method	TBLASTX:Wheat
Start	865	End	1124
GI	none	Score	158
Exons	865..1080, 885..1124		

Seq. No.	34846	Seq. ID	OJ990428_22.9924.C14
Gene No.	72001	Strand	-
Start	3080	End	14482
Name	OJ990428_22.9924.C14.o2.gs	Method	GENSCAN
Start	3080	End	13951
GI	none	Score	.78
Exons	3080..3211, 4207..4371, 8399..8494, 8568..8633, 8747..8836, 8918..9029, 9520..9596, 10580..10687, 11359..11430, 12608..12667, 13464..13532, 13661..13744, 13868..13951		

Seq. No.	34846	Seq. ID	OJ990428_22.9924.C14
Gene No.	72001	Strand	-
Start	3080	End	14482
Name	OJ990428_22.9924.C14.o1.gp	Method	AAT/GAP
Start	4916	End	4996
GI	38012_1.R1084	Score	101
Exons	4916..4996		
GI Descrip.	'4097947/gb U72255 OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	34846	Seq. ID	OJ990428_22.9924.C14
Gene No.	72001	Strand	-
Start	3080	End	14482
Name	OJ990428_22.9924.C14.o2.gp	Method	AAT/GAP

Start 7765 End 9248
 GI 9684_1.R1084 Score 1122
 Exons 7765..7802, 7920..8097, 8399..8494, 8568..8633, 8747..8836, 8918..9029, 9171..9248
 GI Descrip. '2827516/emb|CAA16524.1| 2.0e-39 (AL021633) DNA topoisomerase like-protein [Arabidopsis thaliana]'

Seq. No. 34846 Seq. ID OJ990428_22.9924.C14
 Gene No. 72001 Strand -
 Start 3080 End 14482
 Name OJ990428_22.9924.C14.o2.np Method AAT/NAP
 Start 7960 End 14482
 GI 2827516 Score 559
 Exons 7960..8097, 8399..8494, 8568..8633, 8747..8836, 8918..9035, 10554..10687, 11359..11430, 12608..12667, 13464..13532, 13661..13744, 13868..13951, 14440..14482
 GI Descrip. (AL021633) DNA topoisomerase like-protein [Arabidopsis thaliana]

Seq. No. 34846 Seq. ID OJ990428_22.9924.C14
 Gene No. 72001 Strand -
 Start 3080 End 14482
 Name OJ990428_22.9924.C14.o1.tm Method TBLASTX:Maize
 Start 7996 End 10672
 GI none Score 104
 Exons 7996..8100, 8000..8098, 8379..8495, 8399..8494, 8400..8495, 8557..8634, 8568..8636, 8568..8642, 8700..8837, 8744..8839, 8764..8868, 8904..9029, 8905..9030, 8909..9034, 8910..9032, 9150..9257, 9167..9277, 9167..9256, 9521..9598, 9522..9659, 9522..9599, 10577..10672

Seq. No. 34847 Seq. ID OJ990428_22.9924.C16
 Gene No. 72002 Strand +
 Start 1 End 768
 Name OJ990428_22.9924.C16.o1.np Method AAT/NAP
 Start 1 End 768
 GI 3845248 Score 115
 Exons 1..330, 746..768
 GI Descrip. (AE001410) hypothetical protein [Plasmodium falciparum]

Seq. No. 34847 Seq. ID OJ990428_22.9924.C16
 Gene No. 72002 Strand +
 Start 1 End 768
 Name OJ990428_22.9924.C16.o1.gs Method GENSCAN
 Start 44 End 334
 GI none Score .77
 Exons 44..334

Seq. No. 34847 Seq. ID OJ990428_22.9924.C16
 Gene No. 72003 Strand -
 Start 340 End 410
 Name OJ990428_22.9924.C16.o1.gp Method AAT/GAP
 Start 340 End 410
 GI LIB3477-003-P1-K1-E9 Score 77
 Exons 340..410
 GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	34848	Seq. ID	OJ990518_10.9924.C3
Gene No.	72004	Strand	+
Start	1	End	2340
Name	OJ990518_10.9924.C3.o1.np	Method	AAT/NAP
Start	1	End	2334
GI	4503609	Score	339
Exons	1..73, 641..732, 1843..1931, 2115..2334		
GI Descrip.	electron-transfer-flavoprotein, beta polypeptide gi 585110 sp P38117 ETFB_HUMAN ELECTRON TRANSFER FLAVOPROTEIN BETA-SUBUNIT (BETA-ETF) gi 479194 pir S32482 electron transfer flavoprotein beta chain - human gi 2781203 pdb 1EFV B Chain B, Three-Dimensional Structure Of Human Electron Transfer Flavoprotein To 2.1 A Resolution gi 297902 emb CAA50441 (X71129) electron tr		

Seq. No.	34848	Seq. ID	OJ990518_10.9924.C3
Gene No.	72004	Strand	+
Start	1	End	2340
Name	OJ990518_10.9924.C3.o1.tm	Method	TBLASTX:Maize
Start	648	End	2340
GI	none	Score	112
Exons	648..734, 648..734, 649..735, 1855..1932, 1860..1931, 2112..2336, 2113..2340		

Seq. No.	34848	Seq. ID	OJ990518_10.9924.C3
Gene No.	72004	Strand	+
Start	1	End	2340
Name	OJ990518_10.9924.C3.o1.ts	Method	TBLASTX:Soybean
Start	648	End	2340
GI	none	Score	151
Exons	648..728, 649..732, 1855..1932, 1863..1931, 2112..2333, 2113..2340		

Seq. No.	34848	Seq. ID	OJ990518_10.9924.C3
Gene No.	72004	Strand	+
Start	1	End	2340
Name	OJ990518_10.9924.C3.o1.tc	Method	TBLASTX:Cress
Start	1863	End	2340
GI	none	Score	97
Exons	1863..1931, 1864..1932, 2088..2333, 2113..2340		

Seq. No.	34849	Seq. ID	OJ990518_10.9924.C4
Gene No.	72005	Strand	+
Start	1	End	3879
Name	OJ990518_10.9924.C4.o2.np	Method	AAT/NAP
Start	1	End	3844
GI	6815107	Score	718
Exons	1..34, 732..1877, 1995..2220, 2476..2785, 3814..3844		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	34849	Seq. ID	OJ990518_10.9924.C4
Gene No.	72005	Strand	+
Start	1	End	3879
Name	OJ990518_10.9924.C4.o1.np	Method	AAT/NAP
Start	679	End	935

GI 1084404 Score 85
 Exons 679..935
 GI Descrip. hypothetical protein - tomato gi|667069 (L22186) ORF
 [Lycopersicon esculentum]

Seq. No. 34849 Seq. ID OJ990518_10.9924.C4
 Gene No. 72005 Strand +
 Start 1 End 3879
 Name OJ990518_10.9924.C4.o3.np Method AAT/NAP
 Start 721 End 3879
 GI 4467124 Score 741
 Exons 721..2537, 3798..3879
 GI Descrip. (AL035538) hypothetical protein [Arabidopsis thaliana]

Seq. No. 34849 Seq. ID OJ990518_10.9924.C4
 Gene No. 72006 Strand -
 Start 3674 End 9547
 Name OJ990518_10.9924.C4.o3.tm Method TBLASTX:Maize
 Start 707 End 1088
 GI none Score 153
 Exons 707..892, 720..911, 923..1087, 939..1088

Seq. No. 34849 Seq. ID OJ990518_10.9924.C4
 Gene No. 72006 Strand -
 Start 3674 End 9547
 Name OJ990518_10.9924.C4.o4.tc Method TBLASTX:Cress
 Start 1286 End 1619
 GI none Score 199
 Exons 1286..1480, 1302..1619

Seq. No. 34849 Seq. ID OJ990518_10.9924.C4
 Gene No. 72006 Strand -
 Start 3674 End 9547
 Name OJ990518_10.9924.C4.o2.tm Method TBLASTX:Maize
 Start 1302 End 1715
 GI none Score 278
 Exons 1302..1715, 1302..1559, 1605..1673

Seq. No. 34849 Seq. ID OJ990518_10.9924.C4
 Gene No. 72006 Strand -
 Start 3674 End 9547
 Name OJ990518_10.9924.C4.o1.ts Method TBLASTX:Soybean
 Start 1362 End 1922
 GI none Score 283
 Exons 1362..1820, 1364..1441, 1523..1651, 1794..1922

Seq. No. 34849 Seq. ID OJ990518_10.9924.C4
 Gene No. 72006 Strand -
 Start 3674 End 9547
 Name OJ990518_10.9924.C4.o1.tw Method TBLASTX:Wheat
 Start 1536 End 1952
 GI none Score 162
 Exons 1536..1826, 1821..1952

Seq. No. 34849 Seq. ID OJ990518_10.9924.C4
 Gene No. 72006 Strand -
 Start 3674 End 9547

Name	OJ990518_10.9924.C4.o2.gs	Method	GENSCAN
Start	3674	End	9313
GI	none	Score	.5
Exons	3674..3858, 4052..4211, 4662..4736, 7985..8152, 8302..8494, 8583..8866, 9146..9313		

Seq. No.	34849	Seq. ID	OJ990518_10.9924.C4
Gene No.	72006	Strand	-
Start	3674	End	9547
Name	OJ990518_10.9924.C4.o1.tc	Method	TBLASTX:Cress
Start	5658	End	8445
GI	none	Score	85
Exons	5658..5756, 5660..5791, 5660..5791, 7982..8068, 7989..8228, 8126..8227, 8308..8445, 8309..8431		

Seq. No.	34849	Seq. ID	OJ990518_10.9924.C4
Gene No.	72006	Strand	-
Start	3674	End	9547
Name	OJ990518_10.9924.C4.o4.ts	Method	TBLASTX:Soybean
Start	5660	End	5791
GI	none	Score	96
Exons	5660..5791, 5661..5756		

Seq. No.	34849	Seq. ID	OJ990518_10.9924.C4
Gene No.	72006	Strand	-
Start	3674	End	9547
Name	OJ990518_10.9924.C4.o4.np	Method	AAT/NAP
Start	5670	End	9547
GI	3688173	Score	535
Exons	5670..5789, 7985..8224, 8302..8472, 8609..8866, 9146..9358, 9436..9547		
GI Descrip.	(AL031804) putative protein [Arabidopsis thaliana]		

Seq. No.	34849	Seq. ID	OJ990518_10.9924.C4
Gene No.	72006	Strand	-
Start	3674	End	9547
Name	OJ990518_10.9924.C4.o1.tm	Method	TBLASTX:Maize
Start	8442	End	9211
GI	none	Score	48
Exons	8442..8483, 8444..8482, 8580..8867, 8581..8880, 8582..8866, 8649..8867, 9146..9211, 9147..9209, 9149..9211		

Seq. No.	34849	Seq. ID	OJ990518_10.9924.C4
Gene No.	72006	Strand	-
Start	3674	End	9547
Name	OJ990518_10.9924.C4.o3.tc	Method	TBLASTX:Cress
Start	8639	End	8860
GI	none	Score	98
Exons	8639..8848, 8654..8860, 8682..8852		

Seq. No.	34849	Seq. ID	OJ990518_10.9924.C4
Gene No.	72006	Strand	-
Start	3674	End	9547
Name	OJ990518_10.9924.C4.o3.ts	Method	TBLASTX:Soybean
Start	8639	End	8864
GI	none	Score	115
Exons	8639..8863, 8643..8864		

Seq. No.	34849	Seq. ID	OJ990518_10.9924.C4
Gene No.	72006	Strand	-
Start	3674	End	9547
Name	OJ990518_10.9924.C4.o2.tc	Method	TBLASTX:Cress
Start	9143	End	9340
GI	none	Score	85
Exons	9143..9340, 9197..9319		

Seq. No.	34849	Seq. ID	OJ990518_10.9924.C4
Gene No.	72006	Strand	-
Start	3674	End	9547
Name	OJ990518_10.9924.C4.o2.ts	Method	TBLASTX:Soybean
Start	9146	End	9340
GI	none	Score	163
Exons	9146..9340, 9150..9335, 9152..9337		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72007	Strand	+
Start	17973	End	18595
Name	OJ990518_10.9924.C5.o2.gs	Method	GENSCAN
Start	17973	End	18595
GI	none	Score	6
Exons	17973..18068, 18261..18377, 18404..18595		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72008	Strand	+
Start	19045	End	19307
Name	OJ990518_10.9924.C5.o1.gp	Method	AAT/GAP
Start	19045	End	19307
GI	2315_5.R1084	Score	347
Exons	19045..19307		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72009	Strand	+
Start	22416	End	23223
Name	OJ990518_10.9924.C5.o3.gs	Method	GENSCAN
Start	22416	End	23223
GI	none	Score	.4
Exons	22416..22466, 22667..23000, 23009..23223		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72010	Strand	+
Start	26637	End	28913
Name	OJ990518_10.9924.C5.o5.gs	Method	GENSCAN
Start	26637	End	28913
GI	none	Score	1
Exons	26637..28913		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72010	Strand	+
Start	26637	End	28913
Name	OJ990518_10.9924.C5.o1.np	Method	AAT/NAP
Start	26906	End	28913
GI	4200340	Score	1119

Exons 26906..28913
GI Descrip. (Y17278) P69D protein [Lycopersicon esculentum]

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72011	Strand	-
Start	325	End	16708
Name	OJ990518_10.9924.C5.o1.gs	Method	GENSCAN
Start	325	End	16708
GI	none	Score	.51
Exons	325..559, 1262..1389, 2028..2296, 2413..2521, 3355..3448, 4316..4640, 4959..5168, 5270..5387, 8589..8714, 8798..8926, 10747..10866, 13543..13619, 14849..14964, 15894..16708		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72012	Strand	-
Start	26140	End	26400
Name	OJ990518_10.9924.C5.o4.gs	Method	GENSCAN
Start	26140	End	26400
GI	none	Score	.95
Exons	26140..26400		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72013	Strand	-
Start	30034	End	30495
Name	OJ990518_10.9924.C5.o2.ts	Method	TBLASTX:Soybean
Start	297	End	552
GI	none	Score	154
Exons	297..536, 298..552, 323..532, 325..552		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72013	Strand	-
Start	30034	End	30495
Name	OJ990518_10.9924.C5.o3.tc	Method	TBLASTX:Cress
Start	298	End	460
GI	none	Score	98
Exons	298..459, 323..460		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72013	Strand	-
Start	30034	End	30495
Name	OJ990518_10.9924.C5.o4.tm	Method	TBLASTX:Maize
Start	298	End	486
GI	none	Score	119
Exons	298..486, 323..481		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72013	Strand	-
Start	30034	End	30495
Name	OJ990518_10.9924.C5.o2.tm	Method	TBLASTX:Maize
Start	1256	End	4398
GI	none	Score	131
Exons	1256..1390, 1261..1377, 1302..1391, 2103..2297, 2134..2298, 2399..2524, 2412..2522, 2412..2528, 3350..3448, 3358..3447, 4315..4398		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72013	Strand	-

Start	30034	End	30495
Name	OJ990518_10.9924.C5.o3.ts	Method	TBLASTX:Soybean
Start	2181	End	4398
GI	none	Score	131
Exons	2181..2306, 2188..2304, 2411..2533, 2412..2522, 2414..2539, 3358..3453, 3359..3451, 4324..4398		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72013	Strand	-
Start	30034	End	30495
Name	OJ990518_10.9924.C5.o5.tm	Method	TBLASTX:Maize
Start	8586	End	8944
GI	none	Score	95
Exons	8586..8717, 8587..8724, 8798..8944		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72013	Strand	-
Start	30034	End	30495
Name	OJ990518_10.9924.C5.o2.tc	Method	TBLASTX:Cress
Start	10740	End	13621
GI	none	Score	121
Exons	10740..10868, 10744..10887, 10745..10867, 10747..10890, 13407..13454, 13407..13454, 13408..13602, 13409..13621, 13409..13618		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72013	Strand	-
Start	30034	End	30495
Name	OJ990518_10.9924.C5.o6.tm	Method	TBLASTX:Maize
Start	10768	End	13621
GI	none	Score	77
Exons	10768..10887, 13408..13596, 13408..13602, 13427..13621		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72013	Strand	-
Start	30034	End	30495
Name	OJ990518_10.9924.C5.o2.tw	Method	TBLASTX:Wheat
Start	21535	End	30495
GI	none	Score	59
Exons	21535..21645, 30279..30494, 30334..30495		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72013	Strand	-
Start	30034	End	30495
Name	OJ990518_10.9924.C5.o1.tc	Method	TBLASTX:Cress
Start	26907	End	28898
GI	none	Score	82
Exons	26907..27119, 27113..27220, 27114..27221, 27213..27257, 27260..27448, 27270..27449, 27513..27764, 27521..27697, 27783..27881, 27861..27905, 28122..28169, 28127..28168, 28221..28514, 28235..28483, 28554..28616, 28773..28898		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72013	Strand	-
Start	30034	End	30495
Name	OJ990518_10.9924.C5.o1.ts	Method	TBLASTX:Soybean
Start	26907	End	28616

GI	none	Score	92
Exons	26907..27077, 27113..27220, 27231..27257, 27258..27449, 27266..27448, 27453..27521, 27513..27764, 27521..27664, 27804..28100, 28122..28166, 28217..28483, 28218..28517, 28554..28616		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72013	Strand	-
Start	30034	End	30495
Name	OJ990518_10.9924.C5.o1.tm	Method	TBLASTX:Maize
Start	27104	End	28295
GI	none	Score	139
Exons	27104..27205, 27105..27218, 27221..27259, 27266..27433, 27276..27446, 27452..27487, 27453..27719, 27564..27716, 27783..27833, 27935..28024, 28029..28097, 28112..28282, 28119..28169, 28214..28288, 28221..28295		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72013	Strand	-
Start	30034	End	30495
Name	OJ990518_10.9924.C5.o1.tw	Method	TBLASTX:Wheat
Start	27347	End	27713
GI	none	Score	58
Exons	27347..27403, 27348..27401, 27413..27700, 27492..27713		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72013	Strand	-
Start	30034	End	30495
Name	OJ990518_10.9924.C5.o3.tm	Method	TBLASTX:Maize
Start	28295	End	28898
GI	none	Score	81
Exons	28295..28345, 28296..28385, 28385..28531, 28389..28541, 28539..28679, 28791..28898		

Seq. No.	34850	Seq. ID	OJ990518_10.9924.C5
Gene No.	72013	Strand	-
Start	30034	End	30495
Name	OJ990518_10.9924.C5.o6.gs	Method	GENSCAN
Start	30034	End	30176
GI	none	Score	.5
Exons	30034..30176		

Seq. No.	34851	Seq. ID	OJ990518_10.9924.C6
Gene No.	72014	Strand	-
Start	3916	End	5923
Name	OJ990518_10.9924.C6.o1.tw	Method	TBLASTX:Wheat
Start	921	End	1208
GI	none	Score	74
Exons	921..1208, 976..1194		

Seq. No.	34851	Seq. ID	OJ990518_10.9924.C6
Gene No.	72014	Strand	-
Start	3916	End	5923
Name	OJ990518_10.9924.C6.o1.ts	Method	TBLASTX:Soybean
Start	3875	End	5881
GI	none	Score	74
Exons	3875..4057, 3952..4068, 4072..4206, 4281..4622, 4282..4440,		

5438..5533, 5558..5644, 5780..5881, 5784..5837

Seq. No.	34851	Seq. ID	OJ990518_10.9924.C6
Gene No.	72014	Strand	-
Start	3916	End	5923
Name	OJ990518_10.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	3896	End	5875
GI	none	Score	259
Exons	3896..4132, 3913..4203, 3930..4172, 4281..4337, 4282..4338, 4284..4346, 4337..4375, 4341..4385, 4342..4383, 4370..4609, 4371..4610, 4383..4613, 4474..4623, 5378..5701, 5379..5702, 5786..5875, 5787..5837		

Seq. No.	34851	Seq. ID	OJ990518_10.9924.C6
Gene No.	72014	Strand	-
Start	3916	End	5923
Name	OJ990518_10.9924.C6.o2.gs	Method	GENSCAN
Start	3916	End	5923
GI	none	Score	.87
Exons	3916..4176, 4284..4605, 5379..5923		

Seq. No.	34851	Seq. ID	OJ990518_10.9924.C6
Gene No.	72014	Strand	-
Start	3916	End	5923
Name	OJ990518_10.9924.C6.o1.np	Method	AAT/NAP
Start	3925	End	5908
GI	5031283	Score	870
Exons	3925..4176, 4284..4605, 5379..5908		
GI Descrip.	(AF139500) unknown [Prunus armeniaca]		

Seq. No.	34851	Seq. ID	OJ990518_10.9924.C6
Gene No.	72014	Strand	-
Start	3916	End	5923
Name	OJ990518_10.9924.C6.o1.tc	Method	TBLASTX:Cress
Start	3950	End	5881
GI	none	Score	90
Exons	3950..4063, 3952..4062, 4072..4122, 4128..4163, 4129..4206, 4281..4613, 4282..4617, 5378..5524, 5558..5644, 5780..5881		

Seq. No.	34852	Seq. ID	OJ990518_10.9924.C8
Gene No.	72015	Strand	-
Start	25	End	1184
Name	OJ990518_10.9924.C8.o1.gs	Method	GENSCAN
Start	25	End	1184
GI	none	Score	.71
Exons	25..119, 555..631, 747..756, 942..1060, 1086..1184		

Seq. No.	34853	Seq. ID	OJ990518_10.9924.C9
Gene No.	72016	Strand	-
Start	1	End	541
Name	OJ990518_10.9924.C9.o1.np	Method	AAT/NAP
Start	1	End	541
GI	3688173	Score	112
Exons	1..224, 361..541		
GI Descrip.	(AL031804) putative protein [Arabidopsis thaliana]		

Seq. No.	34853	Seq. ID	OJ990518_10.9924.C9
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Gene No.	72016	Strand	-
Start	1	End	541
Name	OJ990518_10.9924.C9.o1.ts	Method	TBLASTX:Soybean
Start	105	End	541
GI	none	Score	61
Exons	105..230, 109..174, 364..528, 364..540, 395..541		

Seq. No.	34853	Seq. ID	OJ990518_10.9924.C9
Gene No.	72016	Strand	-
Start	1	End	541
Name	OJ990518_10.9924.C9.o1.gs	Method	GENSCAN
Start	140	End	420
GI	none	Score	.77
Exons	140..246, 335..420		

Seq. No.	34853	Seq. ID	OJ990518_10.9924.C9
Gene No.	72016	Strand	-
Start	1	End	541
Name	OJ990518_10.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	194	End	541
GI	none	Score	48
Exons	194..235, 195..221, 196..234, 332..541, 334..540, 401..541		

Seq. No.	34854	Seq. ID	OJ990518_10.9924.C10
Gene No.	72017	Strand	+
Start	112	End	190
Name	OJ990518_10.9924.C10.o1.gs	Method	GENSCAN
Start	112	End	190
GI	none	Score	.87
Exons	112..190		

Seq. No.	34855	Seq. ID	OJ990518_10.9924.C11
Gene No.	72018	Strand	+
Start	1	End	335
Name	OJ990518_10.9924.C11.o1.np	Method	AAT/NAP
Start	1	End	335
GI	3451056	Score	130
Exons	1..335		
GI Descrip.	(AL031326) serine/threonine kinase-like protein (fragment) [Arabidopsis thaliana]		

Seq. No.	34855	Seq. ID	OJ990518_10.9924.C11
Gene No.	72018	Strand	+
Start	1	End	335
Name	OJ990518_10.9924.C11.o1.gs	Method	GENSCAN
Start	67	End	312
GI	none	Score	.84
Exons	67..312		

Seq. No.	34856	Seq. ID	OJ990518_10.9924.C12
Gene No.	72019	Strand	+
Start	37	End	550
Name	OJ990518_10.9924.C12.o1.gp	Method	AAT/GAP
Start	37	End	550
GI	none	Score	993
Exons	37..550		

Seq. No.	34856	Seq. ID	OJ990518_10.9924.C12
Gene No.	72019	Strand	+
Start	37	End	550
Name	OJ990518_10.9924.C12.ol.np	Method	AAT/NAP
Start	120	End	383
GI	3695408	Score	89
Exons	120..383		
GI Descrip.	(AF096373) contains similarity to Solanum lycopersicum (tomato) wound-induced protein (GB:X59882) [Arabidopsis thaliana] gi 4538956 emb CAB39780.1 (AL049488) probable wound-induced protein [Arabidopsis thaliana]		

Seq. No.	34856	Seq. ID	OJ990518_10.9924.C12
Gene No.	72020	Strand	-
Start	10	End	358
Name	OJ990518_10.9924.C12.ol.gs	Method	GENSCAN
Start	10	End	358
GI	none	Score	.85
Exons	10..110, 125..358		

Seq. No.	34857	Seq. ID	OJ990518_10.9924.C13
Gene No.	72021	Strand	+
Start	203	End	534
Name	OJ990518_10.9924.C13.ol.np	Method	AAT/NAP
Start	203	End	534
GI	5441880	Score	317
Exons	203..364, 470..534		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	34857	Seq. ID	OJ990518_10.9924.C13
Gene No.	72021	Strand	+
Start	203	End	534
Name	OJ990518_10.9924.C13.ol.gs	Method	GENSCAN
Start	216	End	364
GI	none	Score	.76
Exons	216..364		

Seq. No.	34858	Seq. ID	OJ990518_10.9924.C16
Gene No.	72022	Strand	-
Start	1	End	618
Name	OJ990518_10.9924.C16.ol.np	Method	AAT/NAP
Start	1	End	618
GI	4454484	Score	143
Exons	1..228, 457..618		
GI Descrip.	(AC006234) putative diacylglycerol kinase [Arabidopsis thaliana]		

Seq. No.	34859	Seq. ID	OJ990518_10.9924.C21
Gene No.	72023	Strand	-
Start	14	End	322
Name	OJ990518_10.9924.C21.ol.gs	Method	GENSCAN
Start	14	End	322
GI	none	Score	.88
Exons	14..322		

Seq. No.	34860	Seq. ID	OJ990518_10.9924.C22
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Gene No.	72024	Strand	-
Start	501	End	1163
Name	OJ990518_10.9924.C22.ol.gp	Method	AAT/GAP
Start	223	End	676
GI	LIB3431-045-P1-N1-A10	Score	872
Exons	223..676		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	34860	Seq. ID	OJ990518_10.9924.C22
Gene No.	72024	Strand	-
Start	501	End	1163
Name	OJ990518_10.9924.C22.ol.gs	Method	GENSCAN
Start	501	End	1069
GI	none	Score	.68
Exons	501..661, 812..1014, 1019..1069		

Seq. No.	34860	Seq. ID	OJ990518_10.9924.C22
Gene No.	72024	Strand	-
Start	501	End	1163
Name	OJ990518_10.9924.C22.ol.np	Method	AAT/NAP
Start	780	End	1163
GI	5441880	Score	402
Exons	780..1014, 1130..1163		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	34861	Seq. ID	OJ990518_10.9924.C25
Gene No.	72025	Strand	+
Start	92	End	267
Name	OJ990518_10.9924.C25.ol.gs	Method	GENSCAN
Start	92	End	267
GI	none	Score	.57
Exons	92..267		

Seq. No.	34862	Seq. ID	OJ990518_10.9924.C27
Gene No.	72026	Strand	+
Start	84	End	598
Name	OJ990518_10.9924.C27.ol.np	Method	AAT/NAP
Start	84	End	598
GI	1762939	Score	143
Exons	84..269, 354..598		
GI Descrip.	(U66266) ORF; able to induce HR-like lesions [Nicotiana tabacum]		

Seq. No.	34862	Seq. ID	OJ990518_10.9924.C27
Gene No.	72026	Strand	+
Start	84	End	598
Name	OJ990518_10.9924.C27.ol.gp	Method	AAT/GAP
Start	155	End	441
GI	17885_2.R1084	Score	342
Exons	155..269, 354..441		
GI Descrip.	'1762945 8.0e-36 (U66269) ORF; able to induce HR-like lesions [Nicotiana tabacum]'		

Seq. No.	34862	Seq. ID	OJ990518_10.9924.C27
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Gene No.	72027	Strand	-
Start	149	End	442
Name	OJ990518_10.9924.C27.o1.gs	Method	GENSCAN
Start	149	End	301
GI	none	Score	.96
Exons	149..301		

Seq. No.	34862	Seq. ID	OJ990518_10.9924.C27
Gene No.	72027	Strand	-
Start	149	End	442
Name	OJ990518_10.9924.C27.o1.tm	Method	TBLASTX:Maize
Start	152	End	439
GI	none	Score	93
Exons	152..265, 155..283, 156..272, 351..437, 353..439, 356..439		

Seq. No.	34862	Seq. ID	OJ990518_10.9924.C27
Gene No.	72027	Strand	-
Start	149	End	442
Name	OJ990518_10.9924.C27.o1.tw	Method	TBLASTX:Wheat
Start	152	End	442
GI	none	Score	73
Exons	152..268, 155..268, 156..272, 156..269, 348..440, 362..442, 362..436		

Seq. No.	34862	Seq. ID	OJ990518_10.9924.C27
Gene No.	72027	Strand	-
Start	149	End	442
Name	OJ990518_10.9924.C27.o1.ts	Method	TBLASTX:Soybean
Start	155	End	440
GI	none	Score	120
Exons	155..268, 156..272, 348..440, 353..439		

Seq. No.	34863	Seq. ID	OJ990518_10.9924.C28
Gene No.	72028	Strand	+
Start	284	End	611
Name	OJ990518_10.9924.C28.o1.gs	Method	GENSCAN
Start	284	End	611
GI	none	Score	.43
Exons	284..611		

Seq. No.	34864	Seq. ID	OJ990518_10.9924.C29
Gene No.	72029	Strand	+
Start	1	End	788
Name	OJ990518_10.9924.C29.o1.np	Method	AAT/NAP
Start	1	End	788
GI	6630699	Score	90
Exons	1..29, 710..788		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	34864	Seq. ID	OJ990518_10.9924.C29
Gene No.	72030	Strand	+
Start	914	End	1349
Name	OJ990518_10.9924.C29.o2.np	Method	AAT/NAP
Start	914	End	1349
GI	6539570	Score	154

Exons 914..1117, 1286..1349
GI Descrip. (AP000836) hypothetical protein [Oryza sativa]

Seq. No.	34864	Seq. ID	OJ990518_10.9924.C29
Gene No.	72031	Strand	-
Start	163	End	1037
Name	OJ990518_10.9924.C29.o1.gs	Method	GENSCAN
Start	163	End	1037
GI	none	Score	.83
Exons	163..187, 496..765, 932..1037		

Seq. No.	34865	Seq. ID	OJ990518_10.9924.C32
Gene No.	72032	Strand	+
Start	193	End	385
Name	OJ990518_10.9924.C32.o1.gs	Method	GENSCAN
Start	193	End	385
GI	none	Score	.48
Exons	193..385		

Seq. No.	34865	Seq. ID	OJ990518_10.9924.C32
Gene No.	72033	Strand	-
Start	1838	End	7356
Name	OJ990518_10.9924.C32.o2.gs	Method	GENSCAN
Start	1838	End	7341
GI	none	Score	.47
Exons	1838..1860, 2026..2130, 2808..2893, 4679..4720, 4831..4957, 5790..5833, 6849..7068, 7143..7341		

Seq. No.	34865	Seq. ID	OJ990518_10.9924.C32
Gene No.	72033	Strand	-
Start	1838	End	7356
Name	OJ990518_10.9924.C32.o1.tm	Method	TBLASTX:Maize
Start	3260	End	7338
GI	none	Score	76
Exons	3260..3292, 3287..3406, 3290..3412, 3303..3413, 3309..3416, 3310..3417, 3417..3503, 3425..3511, 3425..3514, 4617..4718, 4663..4734, 6848..7009, 6850..6990, 6851..7006, 7039..7134, 7042..7131, 7228..7338, 7232..7285		

Seq. No.	34865	Seq. ID	OJ990518_10.9924.C32
Gene No.	72033	Strand	-
Start	1838	End	7356
Name	OJ990518_10.9924.C32.o1.np	Method	AAT/NAP
Start	3266	End	7356
GI	5031283	Score	368
Exons	3266..3513, 3795..3865, 3897..4136, 6849..7356		
GI Descrip.	(AF139500) unknown [Prunus armeniaca]		

Seq. No.	34865	Seq. ID	OJ990518_10.9924.C32
Gene No.	72033	Strand	-
Start	1838	End	7356
Name	OJ990518_10.9924.C32.o1.ts	Method	TBLASTX:Soybean
Start	3269	End	7338
GI	none	Score	76
Exons	3269..3457, 3452..3514, 4567..4740, 6842..7006, 7042..7152, 7234..7338		

Seq. No.	34865	Seq. ID	OJ990518_10.9924.C32
Gene No.	72033	Strand	-
Start	1838	End	7356
Name	OJ990518_10.9924.C32.ol.tc	Method	TBLASTX:Cress
Start	6878	End	7335
GI	none	Score	81
Exons	6878..7003, 7042..7125, 7231..7335		

Seq. No.	34866	Seq. ID	OJ990518_10.9924.C33
Gene No.	72034	Strand	-
Start	903	End	1085
Name	OJ990518_10.9924.C33.ol.gs	Method	GENSCAN
Start	903	End	1085
GI	none	Score	.89
Exons	903..1085		

Seq. No.	34867	Seq. ID	OJ990518_10.9924.C34
Gene No.	72035	Strand	+
Start	9	End	2204
Name	OJ990518_10.9924.C34.ol.np	Method	AAT/NAP
Start	9	End	2204
GI	5042454	Score	2212
Exons	9..153, 494..604, 661..2086, 2179..2204		

GI-Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No.	34867	Seq. ID	OJ990518_10.9924.C34
Gene No.	72035	Strand	+
Start	9	End	2204
Name	OJ990518_10.9924.C34.ol.gs	Method	GENSCAN
Start	67	End	2177
GI	none	Score	.79
Exons	67..153, 398..604, 661..2177		

Seq. No.	34867	Seq. ID	OJ990518_10.9924.C34
Gene No.	72035	Strand	+
Start	9	End	2204
Name	OJ990518_10.9924.C34.ol.tw	Method	TBLASTX:Wheat
Start	1333	End	1725
GI	none	Score	58
Exons	1333..1380, 1387..1485, 1392..1484, 1452..1691, 1468..1725		

Seq. No.	34867	Seq. ID	OJ990518_10.9924.C34
Gene No.	72035	Strand	+
Start	9	End	2204
Name	OJ990518_10.9924.C34.ol.tm	Method	TBLASTX:Maize
Start	1375	End	1623
GI	none	Score	192
Exons	1375..1623, 1473..1622		

Seq. No.	34868	Seq. ID	OJ990518_10.9924.C35
Gene No.	72036	Strand	+
Start	1	End	2823
Name	OJ990518_10.9924.C35.ol.np	Method	AAT/NAP
Start	1	End	2823
GI	6498441	Score	2408
Exons	1..35, 366..829, 893..1266, 1450..1584, 1759..2080, 2273..2657, 2747..2823		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	34868	Seq. ID	OJ990518_10.9924.C35
Gene No.	72036	Strand	+
Start	1	End	2823
Name	OJ990518_10.9924.C35.o1.gs	Method	GENSCAN
Start	173	End	892
GI	none	Score	.99
Exons	173..892		

Seq. No.	34868	Seq. ID	OJ990518_10.9924.C35
Gene No.	72036	Strand	+
Start	1	End	2823
Name	OJ990518_10.9924.C35.o3.tw	Method	TBLASTX:Wheat
Start	250	End	736
GI	none	Score	402
Exons	250..423, 251..736, 445..705, 515..709		

Seq. No.	34868	Seq. ID	OJ990518_10.9924.C35
Gene No.	72036	Strand	+
Start	1	End	2823
Name	OJ990518_10.9924.C35.o1.tw	Method	TBLASTX:Wheat
Start	900	End	1363
GI	none	Score	190
Exons	900..1343, 901..1356, 902..1363, 902..1357		

Seq. No.	34868	Seq. ID	OJ990518_10.9924.C35
Gene No.	72036	Strand	+
Start	1	End	2823
Name	OJ990518_10.9924.C35.o2.ts	Method	TBLASTX:Soybean
Start	941	End	1306
GI	none	Score	107
Exons	941..1165, 1172..1306		

Seq. No.	34868	Seq. ID	OJ990518_10.9924.C35
Gene No.	72036	Strand	+
Start	1	End	2823
Name	OJ990518_10.9924.C35.o2.gs	Method	GENSCAN
Start	956	End	2639
GI	none	Score	.93
Exons	956..2639		

Seq. No.	34868	Seq. ID	OJ990518_10.9924.C35
Gene No.	72036	Strand	+
Start	1	End	2823
Name	OJ990518_10.9924.C35.o1.tm	Method	TBLASTX:Maize
Start	1031	End	1387
GI	none	Score	392
Exons	1031..1387, 1066..1377, 1082..1387		

Seq. No.	34868	Seq. ID	OJ990518_10.9924.C35
Gene No.	72036	Strand	+
Start	1	End	2823
Name	OJ990518_10.9924.C35.o2.tm	Method	TBLASTX:Maize
Start	1414	End	1798

GI	none	Score	356
Exons	1414..1779, 1415..1798		
Seq. No.	34868	Seq. ID	OJ990518_10.9924.C35
Gene No.	72036	Strand	+
Start	1	End	2823
Name	OJ990518_10.9924.C35.o2.tw	Method	TBLASTX:Wheat
Start	1471	End	1879
GI	none	Score	471
Exons	1471..1878, 1472..1879		

Seq. No.	34868	Seq. ID	OJ990518_10.9924.C35
Gene No.	72036	Strand	+
Start	1	End	2823
Name	OJ990518_10.9924.C35.o1.ts	Method	TBLASTX:Soybean
Start	1550	End	1879
GI	none	Score	243
Exons	1550..1879, 1567..1710		

Seq. No.	34868	Seq. ID	OJ990518_10.9924.C35
Gene No.	72036	Strand	+
Start	1	End	2823
Name	OJ990518_10.9924.C35.o4.tw	Method	TBLASTX:Wheat
Start	2420	End	2689
GI	none	Score	269
Exons	2420..2689, 2455..2688		

Seq. No.	34869	Seq. ID	OJ990518_10.9924.C36
Gene No.	72037	Strand	+
Start	1	End	1527
Name	OJ990518_10.9924.C36.o1.np	Method	AAT/NAP
Start	1	End	1524
GI	6498441	Score	2382
Exons	1..1149, 1243..1524		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	34869	Seq. ID	OJ990518_10.9924.C36
Gene No.	72037	Strand	+
Start	1	End	1527
Name	OJ990518_10.9924.C36.o1.gs	Method	GENSCAN
Start	7	End	1527
GI	none	Score	1
Exons	7..1527		

Seq. No.	34869	Seq. ID	OJ990518_10.9924.C36
Gene No.	72038	Strand	+
Start	1688	End	2149
Name	OJ990518_10.9924.C36.o1.gp	Method	AAT/GAP
Start	1688	End	2149
GI	2428323	Score	858
Exons	1688..2149		
GI Descrip.	5803242/dbj AP000399.1 AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	34869	Seq. ID	OJ990518_10.9924.C36
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Gene No.	72039	Strand	-
Start	2157	End	3405
Name	OJ990518_10.9924.C36.o1.tm	Method	TBLASTX:Maize
Start	394	End	717
GI	none	Score	364
Exons	394..717, 423..704		

Seq. No.	34869	Seq. ID	OJ990518_10.9924.C36
Gene No.	72039	Strand	-
Start	2157	End	3405
Name	OJ990518_10.9924.C36.o1.tw	Method	TBLASTX:Wheat
Start	531	End	912
GI	none	Score	375
Exons	531..587, 532..912, 628..873, 633..881		

Seq. No.	34869	Seq. ID	OJ990518_10.9924.C36
Gene No.	72039	Strand	-
Start	2157	End	3405
Name	OJ990518_10.9924.C36.o2.tw	Method	TBLASTX:Wheat
Start	913	End	1515
GI	none	Score	263
Exons	913..1209, 913..1155, 1053..1196, 1389..1508, 1390..1515		

Seq. No.	34869	Seq. ID	OJ990518_10.9924.C36
Gene No.	72039	Strand	-
Start	2157	End	3405
Name	OJ990518_10.9924.C36.o2.tm	Method	TBLASTX:Maize
Start	1384	End	1565
GI	none	Score	191
Exons	1384..1551, 1389..1565		

Seq. No.	34869	Seq. ID	OJ990518_10.9924.C36
Gene No.	72039	Strand	-
Start	2157	End	3405
Name	OJ990518_10.9924.C36.o2.gs	Method	GENSCAN
Start	2157	End	3257
GI	none	Score	.99
Exons	2157..3257		

Seq. No.	34869	Seq. ID	OJ990518_10.9924.C36
Gene No.	72039	Strand	-
Start	2157	End	3405
Name	OJ990518_10.9924.C36.o2.np	Method	AAT/NAP
Start	2160	End	3405
GI	5803259	Score	1825
Exons	2160..3405		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	34870	Seq. ID	OJ990518_10.9924.C37
Gene No.	72040	Strand	+
Start	2129	End	5063
Name	OJ990518_10.9924.C37.o3.np	Method	AAT/NAP
Start	2129	End	5063
GI	4490342	Score	245
Exons	2129..2164, 4331..4602, 4688..4830, 4904..5063		
GI Descrip.	(AL035656) putative protein [Arabidopsis thaliana]		

Seq. No.	34870	Seq. ID	OJ990518_10.9924.C37
Gene No.	72041	Strand	-
Start	1	End	3151
Name	OJ990518_10.9924.C37.o1.np	Method	AAT/NAP
Start	1	End	1470
GI	5803259	Score	2292
Exons	1..99, 195..1470		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	34870	Seq. ID	OJ990518_10.9924.C37
Gene No.	72041	Strand	-
Start	1	End	3151
Name	OJ990518_10.9924.C37.o1.gs	Method	GENSCAN
Start	195	End	1470
GI	none	Score	.77
Exons	195..335, 399..593, 656..1470		

Seq. No.	34870	Seq. ID	OJ990518_10.9924.C37
Gene No.	72041	Strand	-
Start	1	End	3151
Name	OJ990518_10.9924.C37.o2.np	Method	AAT/NAP
Start	662	End	3151
GI	5922623	Score	199
Exons	662..689, 2287..2362, 2530..2682, 3067..3151		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016856 dbj BAA85199.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	34870	Seq. ID	OJ990518_10.9924.C37
Gene No.	72042	Strand	-
Start	4332	End	5013
Name	OJ990518_10.9924.C37.o1.ts	Method	TBLASTX:Soybean
Start	4332	End	4987
GI	none	Score	48
Exons	4332..4373, 4464..4604, 4696..4830, 4904..4987		

Seq. No.	34870	Seq. ID	OJ990518_10.9924.C37
Gene No.	72042	Strand	-
Start	4332	End	5013
Name	OJ990518_10.9924.C37.o1.tm	Method	TBLASTX:Maize
Start	4479	End	5013
GI	none	Score	82
Exons	4479..4604, 4695..4823, 4696..4830, 4904..5008, 4930..5013		

Seq. No.	34870	Seq. ID	OJ990518_10.9924.C37
Gene No.	72042	Strand	-
Start	4332	End	5013
Name	OJ990518_10.9924.C37.o1.tw	Method	TBLASTX:Wheat
Start	4509	End	4990
GI	none	Score	98
Exons	4509..4604, 4512..4595, 4695..4829, 4695..4829, 4696..4830, 4899..4985, 4904..4987, 4928..4990		

Seq. No.	34871	Seq. ID	OJ990518_10.9924.C38
Gene No.	72043	Strand	+
Start	1	End	5048
Name	OJ990518_10.9924.C38.o1.np	Method	AAT/NAP

Start 1 End 432
 GI 4490342 Score 130
 Exons 1..273, 347..432
 GI Descrip. (AL035656) putative protein [Arabidopsis thaliana]

Seq. No. 34871 Seq. ID OJ990518_10.9924.C38
 Gene No. 72043 Strand +
 Start 1 End 5048
 Name OJ990518_10.9924.C38.o1.gs Method GENSCAN
 Start 141 End 5048
 GI none Score .73
 Exons 141..273, 347..431, 4873..5048

Seq. No. 34871 Seq. ID OJ990518_10.9924.C38
 Gene No. 72044 Strand +
 Start 14468 End 17748
 Name OJ990518_10.9924.C38.o2.np Method AAT/NAP
 Start 14468 End 17492
 GI 1762945 Score 418
 Exons 14468..14535, 16275..16389, 16474..16563, 17192..17290,
 17394..17492

GI Descrip. (U66269) ORF; able to induce HR-like lesions [Nicotiana tabacum]

Seq. No. 34871 Seq. ID OJ990518_10.9924.C38
 Gene No. 72044 Strand +
 Start 14468 End 17748
 Name OJ990518_10.9924.C38.o1.gp Method AAT/GAP
 Start 16275 End 17748
 GI 17885_1.R1084 Score 1199
 Exons 16275..16389, 16474..16562, 17191..17290, 17394..17748
 GI Descrip. '5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic
 DNA, chromosome 6, clone:P0535G04'

Seq. No. 34871 Seq. ID OJ990518_10.9924.C38
 Gene No. 72045 Strand -
 Start 13637 End 17713
 Name OJ990518_10.9924.C38.o2.tw Method TBLASTX:Wheat
 Start 138 End 12491
 GI none Score 55
 Exons 138..272, 138..272, 139..273, 342..428, 347..430, 371..433,
 12360..12491

Seq. No. 34871 Seq. ID OJ990518_10.9924.C38
 Gene No. 72045 Strand -
 Start 13637 End 17713
 Name OJ990518_10.9924.C38.o1.ts Method TBLASTX:Soybean
 Start 9381 End 9654
 GI none Score 123
 Exons 9381..9467, 9385..9468, 9401..9481, 9459..9611, 9459..9605,
 9467..9610, 9619..9654

Seq. No. 34871 Seq. ID OJ990518_10.9924.C38
 Gene No. 72045 Strand -
 Start 13637 End 17713
 Name OJ990518_10.9924.C38.o1.tm Method TBLASTX:Maize
 Start 9412 End 9674

GI	none	Score	100
Exons	9412..9468, 9414..9467, 9459..9611, 9467..9610, 9612..9659, 9615..9674		

Seq. No.	34871	Seq. ID	OJ990518_10.9924.C38
Gene No.	72045	Strand	-
Start	13637	End	17713
Name	OJ990518_10.9924.C38.o3.gs	Method	GENSCAN
Start	13637	End	16421
GI	none	Score	.87
Exons	13637..13743, 14377..14526, 14531..14789, 16269..16421		

Seq. No.	34871	Seq. ID	OJ990518_10.9924.C38
Gene No.	72045	Strand	-
Start	13637	End	17713
Name	OJ990518_10.9924.C38.o2.tm	Method	TBLASTX:Maize
Start	14467	End	17713
GI	none	Score	109
Exons	14467..14535, 14468..14536, 16272..16385, 16275..16403, 16276..16392, 16471..16557, 16473..16559, 16476..16559, 17180..17290, 17182..17289, 17191..17295, 17374..17604, 17376..17519, 17432..17602, 17608..17661, 17611..17637, 17675..17713		

Seq. No.	34871	Seq. ID	OJ990518_10.9924.C38
Gene No.	72045	Strand	-
Start	13637	End	17713
Name	OJ990518_10.9924.C38.o1.tw	Method	TBLASTX:Wheat
Start	16272	End	17501
GI	none	Score	73
Exons	16272..16388, 16275..16388, 16276..16392, 16276..16389, 16468..16560, 16482..16562, 16482..16556, 17180..17290, 17182..17289, 17370..17501, 17432..17500		

Seq. No.	34872	Seq. ID	OJ990518_10.9924.C39
Gene No.	72046	Strand	+
Start	2941	End	6851
Name	OJ990518_10.9924.C39.o2.gs	Method	GENSCAN
Start	2941	End	6851
GI	none	Score	.53
Exons	2941..3098, 3118..3302, 3477..3738, 4060..4382, 4441..4599, 5427..5740, 5914..5997, 6094..6210, 6612..6851		

Seq. No.	34872	Seq. ID	OJ990518_10.9924.C39
Gene No.	72047	Strand	+
Start	7862	End	8170
Name	OJ990518_10.9924.C39.o2.gp	Method	AAT/GAP
Start	7862	End	8170
GI	5816559	Score	519
Exons	7862..8170		
GI Descrip.	4680178/gb AF111709.1 AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	34872	Seq. ID	OJ990518_10.9924.C39
Gene No.	72048	Strand	+
Start	8297	End	11143

Name	OJ990518_10.9924.C39.o1.np	Method	AAT/NAP
Start	8297	End	11143
GI	5902444	Score	4788
Exons	8297..11143		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	34872	Seq. ID	OJ990518_10.9924.C39
Gene No.	72048	Strand	+
Start	8297	End	11143
Name	OJ990518_10.9924.C39.o3.gs	Method	GENSCAN
Start	8297	End	11112
GI	none	Score	.44
Exons	8297..9073, 9133..11112		

Seq. No.	34872	Seq. ID	OJ990518_10.9924.C39
Gene No.	72049	Strand	-
Start	1851	End	2741
Name	OJ990518_10.9924.C39.o1.gs	Method	GENSCAN
Start	1851	End	2741
GI	none	Score	.6
Exons	1851..2010, 2174..2217, 2268..2529, 2614..2741		

Seq. No.	34872	Seq. ID	OJ990518_10.9924.C39
Gene No.	72050	Strand	-
Start	3987	End	4538
Name	OJ990518_10.9924.C39.o1.gp	Method	AAT/GAP
Start	3987	End	4538
GI	5038947	Score	845
Exons	3987..4538		

Seq. No.	34872	Seq. ID	OJ990518_10.9924.C39
Gene No.	72051	Strand	
Start	9585	End	9987
Name	OJ990518_10.9924.C39.o2.tw	Method	TBLASTX:Wheat
Start	9585	End	9987
GI	none	Score	294
Exons	9585..9854, 9586..9987		

Seq. No.	34872	Seq. ID	OJ990518_10.9924.C39
Gene No.	72052	Strand	
Start	10564	End	11021
Name	OJ990518_10.9924.C39.o1.tw	Method	TBLASTX:Wheat
Start	10564	End	11021
GI	none	Score	149
Exons	10564..10740, 10785..11021, 10789..11019		

Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72053	Strand	+
Start	69	End	3649
Name	OJ990518_10.9924.C40.o1.gs	Method	GENSCAN
Start	69	End	3649
GI	none	Score	.82
Exons	69..471, 568..3649		

Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72053	Strand	+
Start	69	End	3649

Name	OJ990518_10.9924.C40.o1.np	Method	AAT/NAP
Start	551	End	3646
GI	5902445	Score	5359
Exons	551..3646		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o7.tw	Method	TBLASTX:Wheat
Start	10	End	274
GI	none	Score	262
Exons	10..234, 11..274		

Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o7.tm	Method	TBLASTX:Maize
Start	127	End	274
GI	none	Score	183
Exons	127..273, 128..274		

Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o1.tw	Method	TBLASTX:Wheat
Start	496	End	952
GI	none	Score	497
Exons	496..951, 497..952		

Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o3.ts	Method	TBLASTX:Soybean
Start	536	End	901
GI	none	Score	138
Exons	536..760, 767..901		

Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o2.tm	Method	TBLASTX:Maize
Start	626	End	982
GI	none	Score	375
Exons	626..982, 667..972		

Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o2.tw	Method	TBLASTX:Wheat
Start	1067	End	1491
GI	none	Score	448
Exons	1067..1486, 1111..1491		

Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396

Name	OJ990518_10.9924.C40.o1.ts	Method	TBLASTX:Soybean
Start	1145	End	1546
GI	none	Score	314
Exons	1145..1546, 1162..1320, 1342..1512		
Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o3.tm	Method	TBLASTX:Maize
Start	1213	End	1657
GI	none	Score	275
Exons	1213..1467, 1214..1468, 1489..1620, 1490..1633, 1631..1657		
Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o6.tw	Method	TBLASTX:Wheat
Start	1495	End	1777
GI	none	Score	272
Exons	1495..1572, 1496..1777, 1631..1765		
Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o2.ts	Method	TBLASTX:Soybean
Start	1769	End	2160
GI	none	Score	262
Exons	1769..2158, 1780..2160		
Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o4.tw	Method	TBLASTX:Wheat
Start	1781	End	2203
GI	none	Score	411
Exons	1781..2203, 1789..2193		
Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o5.tm	Method	TBLASTX:Maize
Start	2033	End	2287
GI	none	Score	192
Exons	2033..2287, 2041..2148		
Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o8.tw	Method	TBLASTX:Wheat
Start	2219	End	2518
GI	none	Score	134
Exons	2219..2353, 2420..2518		
Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o1.tm	Method	TBLASTX:Maize

Start	2515	End	2878
GI	none	Score	446
Exons	2515..2826, 2516..2839, 2536..2859, 2830..2877, 2831..2878		

Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o3.tw	Method	TBLASTX:Wheat
Start	2521	End	2908
GI	none	Score	420
Exons	2521..2832, 2522..2908, 2717..2908		

Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o6.tm	Method	TBLASTX:Maize
Start	2980	End	3253
GI	none	Score	95
Exons	2980..3087, 2981..3079, 3070..3144, 3074..3157, 3167..3253		

Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o5.tw	Method	TBLASTX:Wheat
Start	3023	End	3637
GI	none	Score	273
Exons	3023..3301, 3043..3132, 3184..3285, 3356..3514, 3500..3637		

Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o4.tm	Method	TBLASTX:Maize
Start	3365	End	3598
GI	none	Score	148
Exons	3365..3517, 3496..3597, 3497..3598		

Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o2.gs	Method	GENSCAN
Start	3966	End	4304
GI	none	Score	.52
Exons	3966..4304		

Seq. No.	34873	Seq. ID	OJ990518_10.9924.C40
Gene No.	72054	Strand	-
Start	3966	End	4396
Name	OJ990518_10.9924.C40.o2.np	Method	AAT/NAP
Start	3969	End	4396
GI	5902446	Score	612
Exons	3969..4396		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	34874	Seq. ID	OJ990518_10.9924.C42
Gene No.	72055	Strand	+
Start	770	End	949
Name	OJ990518_10.9924.C42.o1.gs	Method	GENSCAN

Start 770
GI none
Exons 770..949

End 949
Score .64

Seq. No. 34874
Gene No. 72056
Start 861
Name OJ990518_10.9924.C42.ol.np
Start 861
GI 2213607
Exons 861..949, 1073..1112
GI Descrip. (AC000103) F21J9.1 [Arabidopsis thaliana]
Seq. ID OJ990518_10.9924.C42
Strand +
End 1112
Method AAT/NAP
End 1112
Score 71

Seq. No. 34875
Gene No. 72057
Start 1
Name OJ990518_10.9924.C43.ol.np
Start 1
GI 3402758
Exons 1..200, 286..646
GI Descrip. (AL031187) serine/threonine kinase-like protein [Arabidopsis thaliana]
Seq. ID OJ990518_10.9924.C43
Strand -
End 646
Method AAT/NAP
End 646
Score 407

Seq. No. 34875
Gene No. 72057
Start 1
Name OJ990518_10.9924.C43.ol.gs
Start 53
GI none
Exons 53..200, 286..374
Seq. ID OJ990518_10.9924.C43
Strand -
End 646
Method GENSCAN
End 374
Score .58

Seq. No. 34875
Gene No. 72057
Start 1
Name OJ990518_10.9924.C43.ol.tc
Start 74
GI none
Exons 74..196, 75..197, 93..197, 288..533, 289..525
Seq. ID OJ990518_10.9924.C43
Strand -
End 646
Method TBLASTX:Cress
End 533
Score 86

Seq. No. 34875
Gene No. 72057
Start 1
Name OJ990518_10.9924.C43.ol.tm
Start 89
GI none
Exons 89..199, 96..200, 96..200, 109..201, 286..495, 287..496, 288..497
Seq. ID OJ990518_10.9924.C43
Strand -
End 646
Method TBLASTX:Maize
End 497
Score 111

Seq. No. 34875
Gene No. 72057
Start 1
Name OJ990518_10.9924.C43.ol.tw
Start 92
GI none
Exons 92..199, 93..200, 288..455, 288..461, 289..459
Seq. ID OJ990518_10.9924.C43
Strand -
End 646
Method TBLASTX:Wheat
End 461
Score 110

Seq. No. 34875
Seq. ID OJ990518_10.9924.C43

Gene No.	72057	Strand	-
Start	1	End	646
Name	OJ990518_10.9924.C43.o1.ts	Method	TBLASTX:Soybean
Start	93	End	548
GI	none	Score	89
Exons	93..200, 98..199, 286..498, 288..530, 289..531, 348..548		
Seq. No.	34876	Seq. ID	OJ990518_10.9924.C46
Gene No.	72058	Strand	-
Start	1	End	490
Name	OJ990518_10.9924.C46.o1.gp	Method	AAT/GAP
Start	1	End	381
GI	LIB3432-059-P1-K1-D4	Score	696
Exons	1..381		
GI Descrip.	'4454467/gb AAD20914 7.0e-28 (AC006234) unknown protein [Arabidopsis thaliana]'		
Seq. No.	34876	Seq. ID	OJ990518_10.9924.C46
Gene No.	72058	Strand	-
Start	1	End	490
Name	OJ990518_10.9924.C46.o1.np	Method	AAT/NAP
Start	274	End	490
GI	6850880	Score	214
Exons	274..490		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		
Seq. No.	34876	Seq. ID	OJ990518_10.9924.C46
Gene No.	72058	Strand	-
Start	1	End	490
Name	OJ990518_10.9924.C46.o1.ts	Method	TBLASTX:Soybean
Start	274	End	489
GI	none	Score	185
Exons	274..489, 287..487, 292..489		
Seq. No.	34876	Seq. ID	OJ990518_10.9924.C46
Gene No.	72058	Strand	-
Start	1	End	490
Name	OJ990518_10.9924.C46.o1.tc	Method	TBLASTX:Cress
Start	280	End	490
GI	none	Score	57
Exons	280..426, 326..400, 433..489, 434..490		
Seq. No.	34876	Seq. ID	OJ990518_10.9924.C46
Gene No.	72058	Strand	-
Start	1	End	490
Name	OJ990518_10.9924.C46.o1.tw	Method	TBLASTX:Wheat
Start	286	End	489
GI	none	Score	61
Exons	286..411, 298..396, 311..412, 433..489, 437..472		
Seq. No.	34876	Seq. ID	OJ990518_10.9924.C46
Gene No.	72058	Strand	-
Start	1	End	490
Name	OJ990518_10.9924.C46.o1.tm	Method	TBLASTX:Maize
Start	340	End	490
GI	none	Score	227
Exons	340..489, 341..490		

Seq. No.	34877	Seq. ID	OJ990518_10.9924.C47
Gene No.	72059	Strand	-
Start	1	End	358
Name	OJ990518_10.9924.C47.ol.np	Method	AAT/NAP
Start	1	End	358
GI	6498441	Score	147
Exons	1..358		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	34878	Seq. ID	OJ990518_10.9924.C48
Gene No.	72060	Strand	-
Start	1	End	612
Name	OJ990518_10.9924.C48.ol.np	Method	AAT/NAP
Start	1	End	612
GI	2181190	Score	266
Exons	1..191, 341..612		
GI Descrip.	(Y12531) serine/threonine kinase [Brassica oleracea]		

Seq. No.	34878	Seq. ID	OJ990518_10.9924.C48
Gene No.	72060	Strand	-
Start	1	End	612
Name	OJ990518_10.9924.C48.ol.tm	Method	TBLASTX:Maize
Start	1	End	394
GI	none	Score	267
Exons	1..198, 1..174, 2..196, 3..197, 341..394		

Seq. No.	34878	Seq. ID	OJ990518_10.9924.C48
Gene No.	72060	Strand	-
Start	1	End	612
Name	OJ990518_10.9924.C48.ol.tw	Method	TBLASTX:Wheat
Start	1	End	192
GI	none	Score	178
Exons	1..192, 3..191		

Seq. No.	34878	Seq. ID	OJ990518_10.9924.C48
Gene No.	72060	Strand	-
Start	1	End	612
Name	OJ990518_10.9924.C48.ol.tc	Method	TBLASTX:Cress
Start	1	End	193
GI	none	Score	169
Exons	1..192, 3..191, 11..193		

Seq. No.	34878	Seq. ID	OJ990518_10.9924.C48
Gene No.	72060	Strand	-
Start	1	End	612
Name	OJ990518_10.9924.C48.ol.ts	Method	TBLASTX:Soybean
Start	1	End	412
GI	none	Score	188
Exons	1..189, 1..171, 2..172, 3..182, 342..374, 344..379, 350..412		

Seq. No.	34878	Seq. ID	OJ990518_10.9924.C48
Gene No.	72060	Strand	-
Start	1	End	612
Name	OJ990518_10.9924.C48.ol.gs	Method	GENSCAN

Start 72
GI none
Exons 72..191, 341..534

End 534
Score .86

Seq. No. 34879
Gene No. 72061
Start 68
Name OJ990518_10.9924.C50.o1.gs
Start 68
GI none
Exons 68..133

Seq. ID OJ990518_10.9924.C50
Strand -
End 133
Method GENSCAN
End 133
Score .4

Seq. No. 34880
Gene No. 72062
Start 372
Name OJ990518_10.9924.C51.o1.gp
Start 372
GI 2428185
Exons 372..605

Seq. ID OJ990518_10.9924.C51
Strand +
End 605
Method AAT/GAP
End 605
Score 358

GI Descrip. 5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa
indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No. 34880
Gene No. 72063
Start 97
Name OJ990518_10.9924.C51.o1.gs
Start 97
GI none
Exons 97..222

Seq. ID OJ990518_10.9924.C51
Strand -
End 222
Method GENSCAN
End 222
Score .87

Seq. No. 34881
Gene No. 72064
Start 1
Name OJ990518_10.9924.C52.o1.np
Start 1
GI 6721561
Exons 1..70, 138..374

Seq. ID OJ990518_10.9924.C52
Strand +
End 374
Method AAT/NAP
End 374
Score 312

GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the
predicted gene.; hypothetical protein [Oryza sativa]
gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976)
corresponds to a region of the predicted gene.; hypothetical
protein [Oryza sativa]

Seq. No. 34881
Gene No. 72064
Start 1
Name OJ990518_10.9924.C52.o1.gs
Start 203
GI none
Exons 203..367

Seq. ID OJ990518_10.9924.C52
Strand +
End 374
Method GENSCAN
End 367
Score .81

Seq. No. 34882
Gene No. 72065
Start 1
Name OJ990518_10.9924.C53.o1.np
Start 1
GI 4884358

Seq. ID OJ990518_10.9924.C53
Strand +
End 365
Method AAT/NAP
End 365
Score 161

Exons 1..164, 239..365
 GI Descrip. (AL050146) hypothetical protein [Homo sapiens]

Seq. No.	34883	Seq. ID	OJ990518_10.9924.C57
Gene No.	72066	Strand	-
Start	199	End	270
Name	OJ990518_10.9924.C57.o1.gs	Method	GENSCAN
Start	199	End	270
GI	none	Score	.53
Exons	199..270		

Seq. No.	34884	Seq. ID	OJ990518_10.9924.C59
Gene No.	72067	Strand	-
Start	19	End	211
Name	OJ990518_10.9924.C59.o1.gs	Method	GENSCAN
Start	19	End	211
GI	none	Score	.72
Exons	19..211		

Seq. No.	34885	Seq. ID	OJ990518_10.9924.C60
Gene No.	72068	Strand	+
Start	2758	End	5715
Name	OJ990518_10.9924.C60.o1.np	Method	AAT/NAP
Start	2758	End	5715
GI	5031283	Score	232
Exons	2758..2778, 4790..5117, 5458..5715		
GI Descrip.	(AF139500) unknown [Prunus armeniaca]		

Seq. No.	34885	Seq. ID	OJ990518_10.9924.C60
Gene No.	72069	Strand	+
Start	9164	End	9907
Name	OJ990518_10.9924.C60.o2.np	Method	AAT/NAP
Start	9164	End	9907
GI	728867	Score	80
Exons	9164..9252, 9341..9570, 9843..9907		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG PRECURSOR gi 99694 pir S21961 proline-rich protein APG - Arabidopsis thaliana gi 22599 emb CAA42925 (X60377) APG [Arabidopsis thaliana]		

Seq. No.	34885	Seq. ID	OJ990518_10.9924.C60
Gene No.	72070	Strand	-
Start	1376	End	2578
Name	OJ990518_10.9924.C60.o1.gs	Method	GENSCAN
Start	1376	End	2578
GI	none	Score	.69
Exons	1376..1410, 1485..1617, 1731..1847, 2351..2578		

Seq. No.	34885	Seq. ID	OJ990518_10.9924.C60
Gene No.	72071	Strand	-
Start	6024	End	9551
Name	OJ990518_10.9924.C60.o1.tc	Method	TBLASTX:Cress
Start	4804	End	5111
GI	none	Score	54
Exons	4804..4872, 4911..5111, 4929..5099		

Seq. No.	34885	Seq. ID	OJ990518_10.9924.C60
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Gene No.	72071	Strand	-
Start	6024	End	9551
Name	OJ990518_10.9924.C60.o1.tm	Method	TBLASTX:Maize
Start	4810	End	5159
GI	none	Score	50
Exons	4810..4893, 4907..5110, 4911..5159		

Seq. No.	34885	Seq. ID	OJ990518_10.9924.C60
Gene No.	72071	Strand	-
Start	6024	End	9551
Name	OJ990518_10.9924.C60.o1.ts	Method	TBLASTX:Soybean
Start	4810	End	5159
GI	none	Score	41
Exons	4810..4872, 4842..4871, 4926..5159, 4928..5119		

Seq. No.	34885	Seq. ID	OJ990518_10.9924.C60
Gene No.	72071	Strand	-
Start	6024	End	9551
Name	OJ990518_10.9924.C60.o3.gs	Method	GENSCAN
Start	6024	End	9551
GI	none	Score	.78
Exons	6024..6091, 6604..6662, 7310..7376, 7630..7726, 8268..8643, 9170..9255, 9381..9551		

Seq. No.	34886	Seq. ID	OJ990518_10.9924.C61
Gene No.	72072	Strand	+
Start	1	End	220
Name	OJ990518_10.9924.C61.o1.np	Method	AAT/NAP
Start	1	End	220
GI	6630699	Score	84
Exons	1..50, 138..220		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	34886	Seq. ID	OJ990518_10.9924.C61
Gene No.	72073	Strand	-
Start	356	End	2346
Name	OJ990518_10.9924.C61.o1.gs	Method	GENSCAN
Start	356	End	1997
GI	none	Score	.89
Exons	356..470, 1121..1235, 1889..1997		

Seq. No.	34886	Seq. ID	OJ990518_10.9924.C61
Gene No.	72073	Strand	-
Start	356	End	2346
Name	OJ990518_10.9924.C61.o2.np	Method	AAT/NAP
Start	359	End	2346
GI	5922620	Score	468
Exons	359..540, 1491..1552, 1853..2136, 2305..2346		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6016853 dbj BAA85196.1 (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34887	Seq. ID	OJ990518_10.9924.C64
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Gene No.	72074	Strand	+
Start	470	End	660
Name	OJ990518_10.9924.C64.o1.gp	Method	AAT/GAP
Start	470	End	660
GI	2315_5.R1084	Score	276
Exons	470..660		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34887	Seq. ID	OJ990518_10.9924.C64
Gene No.	72074	Strand	+
Start	470	End	660
Name	OJ990518_10.9924.C64.o2.gp	Method	AAT/GAP
Start	536	End	660
GI	2315_6.R1084	Score	188
Exons	536..660		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 4.0e-38 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34887	Seq. ID	OJ990518_10.9924.C64
Gene No.	72075	Strand	-
Start	124	End	285
Name	OJ990518_10.9924.C64.o1.gs	Method	GENSCAN
Start	124	End	285
GI	none	Score	.73
Exons	124..285		

Seq. No.	34888	Seq. ID	OJ990518_10.9924.C67
Gene No.	72076	Strand	+
Start	1	End	334
Name	OJ990518_10.9924.C67.o1.np	Method	AAT/NAP
Start	1	End	334
GI	3688173	Score	172
Exons	1..122, 206..334		
GI Descrip.	(AL031804) putative protein [Arabidopsis thaliana]		

Seq. No.	34888	Seq. ID	OJ990518_10.9924.C67
Gene No.	72077	Strand	-
Start	212	End	334
Name	OJ990518_10.9924.C67.o1.tm	Method	TBLASTX:Maize
Start	3	End	334
GI	none	Score	102
Exons	3..122, 196..333, 203..334		

Seq. No.	34888	Seq. ID	OJ990518_10.9924.C67
Gene No.	72077	Strand	-
Start	212	End	334
Name	OJ990518_10.9924.C67.o1.gs	Method	GENSCAN
Start	212	End	313
GI	none	Score	.52
Exons	212..313		

Seq. No.	34889	Seq. ID	OJ990518_10.9924.C77
Gene No.	72078	Strand	+
Start	497	End	568
Name	OJ990518_10.9924.C77.o1.gs	Method	GENSCAN
Start	497	End	568

GI	none	Score	.47
Exons	497..568		
Seq. No.	34890	Seq. ID	OJ990428_10.9924.C1
Gene No.	72079	Strand	+
Start	61	End	238
Name	OJ990428_10.9924.C1.o1.gp	Method	AAT/GAP
Start	61	End	238
GI	none	Score	298
Exons	61..238		

Seq. No.	34890	Seq. ID	OJ990428_10.9924.C1
Gene No.	72080	Strand	+
Start	385	End	544
Name	OJ990428_10.9924.C1.o1.tm	Method	TBLASTX:Maize
Start	59	End	257
GI	none	Score	156
Exons	59..127, 60..176, 60..176, 177..257, 181..237		

Seq. No.	34890	Seq. ID	OJ990428_10.9924.C1
Gene No.	72080	Strand	+
Start	385	End	544
Name	OJ990428_10.9924.C1.o1.gs	Method	GENSCAN
Start	385	End	544
GI	none	Score	.59
Exons	385..544		

Seq. No.	34891	Seq. ID	OJ990428_10.9924.C2
Gene No.	72081	Strand	-
Start	1	End	678
Name	OJ990428_10.9924.C2.o1.gp	Method	AAT/GAP
Start	1	End	678
GI	none	Score	480
Exons	1..41, 284..402, 526..678		

Seq. No.	34892	Seq. ID	OJ990428_10.9924.C3
Gene No.	72082	Strand	+
Start	1	End	836
Name	OJ990428_10.9924.C3.o1.np	Method	AAT/NAP
Start	1	End	836
GI	6069646	Score	392
Exons	1..40, 171..224, 498..836		

GI Descrip. (AP000616) similar to putative reverse transcriptase. (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	34892	Seq. ID	OJ990428_10.9924.C3
Gene No.	72083	Strand	+
Start	1752	End	2083
Name	OJ990428_10.9924.C3.o1.gs	Method	GENSCAN
Start	1752	End	2083
GI	none	Score	.46
Exons	1752..1769, 1958..2083		

Seq. No.	34892	Seq. ID	OJ990428_10.9924.C3
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Gene No.	72084	Strand	-
Start	5187	End	5660
Name	OJ990428_10.9924.C3.o3.gs	Method	GENSCAN
Start	5187	End	5660
GI	none	Score	.69
Exons	5187..5660		

Seq. No.	34893	Seq. ID	OJ990428_10.9924.C4
Gene No.	72085	Strand	+
Start	2962	End	3773
Name	OJ990428_10.9924.C4.o2.gs	Method	GENSCAN
Start	2962	End	3773
GI	none	Score	.86
Exons	2962..3133, 3442..3773		

Seq. No.	34893	Seq. ID	OJ990428_10.9924.C4
Gene No.	72086	Strand	+
Start	4459	End	9571
Name	OJ990428_10.9924.C4.o3.gs	Method	GENSCAN
Start	4459	End	9571
GI	none	Score	.52
Exons	4459..4470, 5157..5341, 6125..6281, 6448..6698, 6777..6901, 7015..7460, 7722..7788, 8775..8851, 9473..9571		

Seq. No.	34893	Seq. ID	OJ990428_10.9924.C4
Gene No.	72086	Strand	+
Start	4459	End	9571
Name	OJ990428_10.9924.C4.o1.gp	Method	AAT/GAP
Start	5219	End	6283
GI	none	Score	513
Exons	5219..5341, 6112..6283		

Seq. No.	34893	Seq. ID	OJ990428_10.9924.C4
Gene No.	72086	Strand	+
Start	4459	End	9571
Name	OJ990428_10.9924.C4.o2.gp	Method	AAT/GAP
Start	7135	End	8837
GI	none	Score	983
Exons	7135..7460, 7546..7630, 7722..7788, 8775..8837		

Seq. No.	34893	Seq. ID	OJ990428_10.9924.C4
Gene No.	72087	Strand	-
Start	1	End	2294
Name	OJ990428_10.9924.C4.o1.np	Method	AAT/NAP
Start	1	End	2294
GI	3309620	Score	806
Exons	1..145, 377..2294		
GI Descrip.	(AF074916) resistance to Pseudomonas syringae protein 5 [Arabidopsis thaliana]		

Seq. No.	34893	Seq. ID	OJ990428_10.9924.C4
Gene No.	72087	Strand	-
Start	1	End	2294
Name	OJ990428_10.9924.C4.o1.gs	Method	GENSCAN
Start	249	End	2201
GI	none	Score	.61
Exons	249..2201		

Seq. No. 34893
 Gene No. 72088
 Start 9774
 Name OJ990428_10.9924.C4.o4.gs
 Start 9774
 GI none
 Exons 9774..9931, 10507..10630

Seq. ID OJ990428_10.9924.C4
 Strand -
 End 10630
 Method GENSCAN
 End 10630
 Score .89

Seq. No. 34893
 Gene No. 72089
 Start 10537
 Name OJ990428_10.9924.C4.o1.tc
 Start 186
 GI none
 Exons 186..278, 372..767, 379..672, 909..1154, 910..963, 1030..1122, 1179..1529, 1186..1278

Seq. ID OJ990428_10.9924.C4
 Strand -
 End 10676
 Method TBLASTX:Cress
 End 1529
 Score 98

Seq. No. 34893
 Gene No. 72089
 Start 10537
 Name OJ990428_10.9924.C4.o3.gp
 Start 10537
 GI none
 Exons 10537..10676

Seq. ID OJ990428_10.9924.C4
 Strand -
 End 10676
 Method AAT/GAP
 End 10676
 Score 172

Seq. No. 34894
 Gene No. 72090
 Start 1
 Name OJ990428_10.9924.C5.o1.np
 Start 1
 GI 133414
 Exons 1..51, 2873..3014, 5106..5133
 GI Descrip. DNA-DIRECTED RNA POLYMERASE BETA CHAIN gi|66971|pir||RNZMB
 DNA-directed RNA polymerase (EC 2.7.7.6) beta chain - maize
 chloroplast gi|12480|emb|CAA35195| (X17318) RNA polymerase beta
 subunit (AA 1-1075) [Zea mays] gi|902212|emb|CAA60276| (X86563)
 RNA polymerase beta subunit [Zea mays]

Seq. ID OJ990428_10.9924.C5
 Strand -
 End 5167
 Method AAT/NAP
 End 5133
 Score 73

Seq. No. 34894
 Gene No. 72090
 Start 1
 Name OJ990428_10.9924.C5.o1.gs
 Start 58
 GI none
 Exons 58..140, 2293..2462, 3054..3177, 3334..3448, 3775..4053, 4344..4436, 4708..4797, 4907..4948

Seq. ID OJ990428_10.9924.C5
 Strand -
 End 5167
 Method GENSCAN
 End 4948
 Score .6

Seq. No. 34894
 Gene No. 72090
 Start 1
 Name OJ990428_10.9924.C5.o2.np
 Start 3766
 GI 2459426
 Exons 3766..3953, 4092..4188, 4344..4436, 4515..4622, 4708..4797, 5134..5167
 GI Descrip. (AC002332) putative splicing factor U2AF large chain

Seq. ID OJ990428_10.9924.C5
 Strand -
 End 5167
 Method AAT/NAP
 End 5167
 Score 275

[Arabidopsis thaliana]

Seq. No.	34894	Seq. ID	OJ990428_10.9924.C5
Gene No.	72090	Strand	-
Start	1	End	5167
Name	OJ990428_10.9924.C5.ol.tm	Method	TBLASTX:Maize
Start	4117	End	4948
GI	none	Score	82
Exons	4117..4188, 4349..4438, 4353..4442, 4353..4442, 4513..4611, 4534..4623, 4536..4625, 4536..4631, 4679..4807, 4681..4806, 4799..4948, 4841..4948		

Seq. No.	34895	Seq. ID	OJ990428_10.9924.C6
Gene No.	72091	Strand	-
Start	384	End	1938
Name	OJ990428_10.9924.C6.ol.gs	Method	GENSCAN
Start	384	End	1938
GI	none	Score	.85
Exons	384..455, 641..724, 921..1230, 1531..1699, 1817..1938		

Seq. No.	34895	Seq. ID	OJ990428_10.9924.C6
Gene No.	72091	Strand	-
Start	384	End	1938
Name	OJ990428_10.9924.C6.ol.gp	Method	AAT/GAP
Start	1099	End	1652
GI	2310443	Score	484
Exons	1099..1230, 1531..1652		

Seq. No.	34896	Seq. ID	OJ990428_10.9924.C7
Gene No.	72092	Strand	-
Start	89	End	2232
Name	OJ990428_10.9924.C7.ol.gs	Method	GENSCAN
Start	89	End	2232
GI	none	Score	.73
Exons	89..210, 310..679, 1292..1359, 1743..1856, 2080..2232		

Seq. No.	34897	Seq. ID	OJ990428_10.9924.C8
Gene No.	72093	Strand	+
Start	58	End	190
Name	OJ990428_10.9924.C8.ol.gp	Method	AAT/GAP
Start	58	End	190
GI	LIB3432-009-P1-K1-A4	Score	163
Exons	58..190		
GI Descrip.	'5922603/dbj AP000492.1 AP000492 1.0e-69 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	34897	Seq. ID	OJ990428_10.9924.C8
Gene No.	72094	Strand	+
Start	209	End	389
Name	OJ990428_10.9924.C8.ol.gs	Method	GENSCAN
Start	209	End	389
GI	none	Score	.97
Exons	209..239, 301..389		

Seq. No.	34898	Seq. ID	OJ990428_10.9924.C10
Gene No.	72095	Strand	-
Start	1	End	973

Name	OJ990428_10.9924.C10.o1.np	Method	AAT/NAP
Start	1	End	973
GI	6815062	Score	686
Exons	1..102, 360..415, 494..841, 869..973		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	34898	Seq. ID	OJ990428_10.9924.C10
Gene No.	72095	Strand	-
Start	1	End	973
Name	OJ990428_10.9924.C10.o1.gs	Method	GENSCAN
Start	314	End	933
GI	none	Score	.58
Exons	314..415, 494..788, 869..933		

Seq. No.	34898	Seq. ID	OJ990428_10.9924.C10
Gene No.	72095	Strand	-
Start	1	End	973
Name	OJ990428_10.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	494	End	972
GI	none	Score	.76
Exons	494..802, 868..894, 901..972		

Seq. No.	34899	Seq. ID	OJ990428_10.9924.C12
Gene No.	72096	Strand	-
Start	1053	End	10118
Name	OJ990428_10.9924.C12.o1.gs	Method	GENSCAN
Start	1053	End	10118
GI	none	Score	.59
Exons	1053..1457, 2051..2322, 2406..2565, 2988..3183, 3327..3415, 6459..6491, 6582..6701, 6818..6910, 6988..7083, 7165..7221, 7301..7402, 8931..9116, 9216..10118		

Seq. No.	34900	Seq. ID	OJ990428_10.9924.C13
Gene No.	72097	Strand	+
Start	172	End	2123
Name	OJ990428_10.9924.C13.o1.gs	Method	GENSCAN
Start	172	End	1673
GI	none	Score	.41
Exons	172..226, 444..496, 1404..1673		

Seq. No.	34900	Seq. ID	OJ990428_10.9924.C13
Gene No.	72097	Strand	+
Start	172	End	2123
Name	OJ990428_10.9924.C13.o1.np	Method	AAT/NAP
Start	1413	End	1988
GI	2618699	Score	129
Exons	1413..1654, 1958..1988		
GI Descrip.	(AC002510) unknown protein [Arabidopsis thaliana]		

Seq. No.	34900	Seq. ID	OJ990428_10.9924.C13
Gene No.	72097	Strand	+
Start	172	End	2123
Name	OJ990428_10.9924.C13.o2.np	Method	AAT/NAP
Start	1779	End	2123
GI	6815062	Score	356

Exons 1779..1826, 1915..2123
 GI Descrip. (AP001080) Similar to Arabidopsis thaliana chromosome II BAC
 F16P2 genomic sequence;mudra like protein (AC004561) [Oryza
 sativa]

Seq. No.	34900	Seq. ID	OJ990428_10.9924.C13
Gene No.	72098	Strand	-
Start	1566	End	2052
Name	OJ990428_10.9924.C13.o1.gp	Method	AAT/GAP
Start	1566	End	2052
GI	3761266	Score	398
Exons	1566..1780, 2032..2052		

Seq. No.	34901	Seq. ID	OJ990428_10.9924.C15
Gene No.	72099	Strand	-
Start	160	End	670
Name	OJ990428_10.9924.C15.o1.gs	Method	GENSCAN
Start	160	End	670
GI	none	Score	.8
Exons	160..670		

Seq. No.	34902	Seq. ID	OJ990428_10.9924.C16
Gene No.	72100	Strand	-
Start	421	End	524
Name	OJ990428_10.9924.C16.o1.gs	Method	GENSCAN
Start	421	End	524
GI	none	Score	.7
Exons	421..524		

Seq. No.	34903	Seq. ID	OJ990428_10.9924.C18
Gene No.	72101	Strand	-
Start	404	End	1188
Name	OJ990428_10.9924.C18.o1.gp	Method	AAT/GAP
Start	404	End	1188
GI	none	Score	1507
Exons	404..1188		

Seq. No.	34903	Seq. ID	OJ990428_10.9924.C18
Gene No.	72102	Strand	-
Start	1431	End	7560
Name	OJ990428_10.9924.C18.o1.np	Method	AAT/NAP
Start	1176	End	7491
GI	4836901	Score	311
Exons	1176..1208, 6812..6921, 7285..7491		
GI Descrip.	(AC007369) Unknown protein [Arabidopsis thaliana]		

Seq. No.	34903	Seq. ID	OJ990428_10.9924.C18
Gene No.	72102	Strand	-
Start	1431	End	7560
Name	OJ990428_10.9924.C18.o1.tm	Method	TBLASTX:Maize
Start	1407	End	7444
GI	none	Score	39
Exons	1407..1454, 1500..1544, 6797..6919, 6808..6921, 6809..6922, 7259..7444, 7279..7443		

Seq. No.	34903	Seq. ID	OJ990428_10.9924.C18
Gene No.	72102	Strand	-

Start	1431	End	7560
Name	OJ990428_10.9924.C18.o1.gs	Method	GENSCAN
Start	1431	End	3412
GI	none	Score	.68
Exons	1431..1540, 3163..3412		

Seq. No.	34903	Seq. ID	OJ990428_10.9924.C18
Gene No.	72102	Strand	-
Start	1431	End	7560
Name	OJ990428_10.9924.C18.o2.gp	Method	AAT/GAP
Start	5587	End	7560
GI	uC-osrocyp009f03b1	Score	999
Exons	5587..5708, 6780..6921, 7285..7560		
GI Descrip.	'4836901/gb AAD30604.1 AC007369_14 1.0e-36 (AC007369) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	34903	Seq. ID	OJ990428_10.9924.C18
Gene No.	72102	Strand	-
Start	1431	End	7560
Name	OJ990428_10.9924.C18.o3.gs	Method	GENSCAN
Start	6742	End	7482
GI	none	Score	.96
Exons	6742..6921, 7285..7482		

Seq. No.	34903	Seq. ID	OJ990428_10.9924.C18
Gene No.	72102	Strand	-
Start	1431	End	7560
Name	OJ990428_10.9924.C18.o1.ts	Method	TBLASTX:Soybean
Start	6808	End	7443
GI	none	Score	150
Exons	6808..6921, 6809..6922, 7277..7441, 7279..7443		

Seq. No.	34903	Seq. ID	OJ990428_10.9924.C18
Gene No.	72102	Strand	-
Start	1431	End	7560
Name	OJ990428_10.9924.C18.o1.tc	Method	TBLASTX:Cress
Start	6814	End	7440
GI	none	Score	115
Exons	6814..6921, 6824..6922, 7279..7440, 7280..7438		

Seq. No.	34904	Seq. ID	OJ990428_10.9924.C19
Gene No.	72103	Strand	-
Start	3182	End	6213
Name	OJ990428_10.9924.C19.o1.gs	Method	GENSCAN
Start	3182	End	5684
GI	none	Score	.96
Exons	3182..3286, 3636..3980, 4123..4524, 4872..5193, 5581..5684		

Seq. No.	34904	Seq. ID	OJ990428_10.9924.C19
Gene No.	72103	Strand	-
Start	3182	End	6213
Name	OJ990428_10.9924.C19.o1.np	Method	AAT/NAP
Start	3666	End	6213
GI	4510396	Score	855
Exons	3666..3980, 4123..4524, 4872..5109, 6158..6213		
GI Descrip.	(AC006587) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34904	Seq. ID	OJ990428_10.9924.C19
Gene No.	72103	Strand	-
Start	3182	End	6213
Name	OJ990428_10.9924.C19.o1.tm	Method	TBLASTX:Maize
Start	3863	End	4345
GI	none	Score	118
Exons	3863..3982, 3864..3983, 3865..3981, 3873..3983, 4122..4343, 4123..4344, 4124..4345		

Seq. No.	34904	Seq. ID	OJ990428_10.9924.C19
Gene No.	72103	Strand	-
Start	3182	End	6213
Name	OJ990428_10.9924.C19.o1.tc	Method	TBLASTX:Cress
Start	3882	End	4384
GI	none	Score	123
Exons	3882..3983, 4123..4281, 4133..4282, 4281..4379, 4282..4344, 4283..4384		

Seq. No.	34904	Seq. ID	OJ990428_10.9924.C19
Gene No.	72103	Strand	-
Start	3182	End	6213
Name	OJ990428_10.9924.C19.o1.gp	Method	AAT/GAP
Start	4269	End	5081
GI	uC-osflcyp173c10b1	Score	908
Exons	4269..4524, 4872..5081		
GI Descrip.	'4510396/gb AAD21483.1 2.0e-34 (AC006587) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	34905	Seq. ID	OJ990428_10.9924.C20
Gene No.	72104	Strand	+
Start	1350	End	1553
Name	OJ990428_10.9924.C20.o2.gs	Method	GENSCAN
Start	1350	End	1553
GI	none	Score	.99
Exons	1350..1553		

Seq. No.	34905	Seq. ID	OJ990428_10.9924.C20
Gene No.	72105	Strand	-
Start	1	End	302
Name	OJ990428_10.9924.C20.o1.gp	Method	AAT/GAP
Start	1	End	302
GI	2310663	Score	481
Exons	1..302		

Seq. No.	34905	Seq. ID	OJ990428_10.9924.C20
Gene No.	72105	Strand	-
Start	1	End	302
Name	OJ990428_10.9924.C20.o1.gs	Method	GENSCAN
Start	46	End	293
GI	none	Score	.68
Exons	46..293		

Seq. No.	34906	Seq. ID	OJ990428_10.9924.C21
Gene No.	72106	Strand	+
Start	1	End	664
Name	OJ990428_10.9924.C21.o1.np	Method	AAT/NAP
Start	1	End	616

GI 5915837 Score 359
 Exons 1..616
 GI Descrip. CYTOCHROME P450 71D8 (P450 CP7) gi|3334667|emb|CAA71517|
 (Y10493) putative cytochrome P450 [Glycine max]

Seq. No. 34906 Seq. ID OJ990428_10.9924.C21
 Gene No. 72106 Strand +
 Start 1 End 664
 Name OJ990428_10.9924.C21.ol.tc Method TBLASTX:Cress
 Start 6 End 654
 GI none Score 72
 Exons 6..185, 59..124, 178..270, 248..271, 279..314, 322..387,
 376..441, 377..592, 622..654

Seq. No. 34906 Seq. ID OJ990428_10.9924.C21
 Gene No. 72106 Strand +
 Start 1 End 664
 Name OJ990428_10.9924.C21.ol.ts Method TBLASTX:Soybean
 Start 6 End 607
 GI none Score 95
 Exons 6..152, 279..314, 291..314, 377..607, 379..564

Seq. No. 34906 Seq. ID OJ990428_10.9924.C21
 Gene No. 72106 Strand +
 Start 1 End 664
 Name OJ990428_10.9924.C21.ol.tm Method TBLASTX:Maize
 Start 57 End 664
 GI none Score 60
 Exons 57..122, 59..121, 168..275, 184..270, 373..561, 377..664

Seq. No. 34906 Seq. ID OJ990428_10.9924.C21
 Gene No. 72106 Strand +
 Start 1 End 664
 Name OJ990428_10.9924.C21.ol.tw Method TBLASTX:Wheat
 Start 373 End 601
 GI none Score 204
 Exons 373..567, 377..601

Seq. No. 34907 Seq. ID OJ990428_10.9924.C22
 Gene No. 72107 Strand -
 Start 1 End 565
 Name OJ990428_10.9924.C22.ol.np Method AAT/NAP
 Start 1 End 565
 GI 3451079 Score 264
 Exons 1..219, 293..565
 GI Descrip. (AL031326) putative protein [Arabidopsis thaliana]

Seq. No. 34907 Seq. ID OJ990428_10.9924.C22
 Gene No. 72107 Strand -
 Start 1 End 565
 Name OJ990428_10.9924.C22.ol.gs Method GENSCAN
 Start 38 End 379
 GI none Score .85
 Exons 38..219, 293..379

Seq. No. 34908 Seq. ID OJ990428_10.9924.C23
 Gene No. 72108 Strand -

Start	143	End	778
Name	OJ990428_10.9924.C23.o1.gs	Method	GENSCAN
Start	143	End	778
GI	none	Score	.64
Exons	143..333, 391..778		

Seq. No.	34908	Seq. ID	OJ990428_10.9924.C23
Gene No.	72109	Strand	-
Start	941	End	1227
Name	OJ990428_10.9924.C23.o1.gp	Method	AAT/GAP
Start	941	End	1227
GI	3761679	Score	251
Exons	941..1027, 1128..1227		
GI Descrip.	5042437/gb AC007789.1 AC007789 1.0e-29 Oryza sativa BAC T49B20 genomic sequence, complete sequence		

Seq. No.	34909	Seq. ID	OJ990428_10.9924.C25
Gene No.	72110	Strand	-
Start	297	End	554
Name	OJ990428_10.9924.C25.o1.gs	Method	GENSCAN
Start	297	End	554
GI	none	Score	.93
Exons	297..554		

Seq. No.	34910	Seq. ID	OJ990428_10.9924.C26
Gene No.	72111	Strand	+
Start	1	End	4564
Name	OJ990428_10.9924.C26.o1.np	Method	AAT/NAP
Start	1	End	4564
GI	5263314	Score	450
Exons	1..27, 1997..2103, 2747..2817, 3290..3368, 3581..3888, 4274..4564		
GI Descrip.	(AC007727) Similar to gb X84260 POS5 gene product from Saccharomyces cerevisiae. EST gb W43879 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	34910	Seq. ID	OJ990428_10.9924.C26
Gene No.	72111	Strand	+
Start	1	End	4564
Name	OJ990428_10.9924.C26.o1.gs	Method	GENSCAN
Start	852	End	4544
GI	none	Score	.8
Exons	852..1041, 1172..1291, 1370..1662, 1794..1888, 1997..2103, 3290..3460, 3581..3888, 4453..4544		

Seq. No.	34910	Seq. ID	OJ990428_10.9924.C26
Gene No.	72112	Strand	-
Start	849	End	4600
Name	OJ990428_10.9924.C26.o1.tm	Method	TBLASTX:Maize
Start	830	End	1846
GI	none	Score	42
Exons	830..910, 850..906, 911..1039, 911..1042, 918..1043, 960..1043, 1173..1295, 1174..1293, 1367..1663, 1368..1661, 1369..1665, 1450..1665, 1793..1846, 1803..1844		

Seq. No.	34910	Seq. ID	OJ990428_10.9924.C26
Gene No.	72112	Strand	-

Start	849	End	4600
Name	OJ990428_10.9924.C26.o1.gp	Method	AAT/GAP
Start	849	End	1056
GI	none	Score	333
Exons	849..1056		

Seq. No.	34910	Seq. ID	OJ990428_10.9924.C26
Gene No.	72112	Strand	-
Start	849	End	4600
Name	OJ990428_10.9924.C26.o1.ts	Method	TBLASTX:Soybean
Start	978	End	4576
GI	none	Score	72
Exons	978..1043, 1173..1265, 1174..1260, 1451..1501, 1453..1533, 1519..1668, 1542..1661, 1793..1891, 1803..1886, 1994..2044, 1998..2117, 2038..2115, 2743..2823, 2760..2816, 3268..3366, 3290..3367, 3582..3890, 3583..3891, 3795..3899, 4269..4568, 4270..4545, 4270..4575, 4271..4576		

Seq. No.	34910	Seq. ID	OJ990428_10.9924.C26
Gene No.	72112	Strand	-
Start	849	End	4600
Name	OJ990428_10.9924.C26.o2.tm	Method	TBLASTX:Maize
Start	2031	End	4600
GI	none	Score	125
Exons	2031..2102, 2034..2108, 2035..2109, 2743..2805, 2746..2805, 2747..2818, 2748..2819, 3289..3366, 3290..3367, 3299..3367, 3564..3890, 3581..3889, 3583..3891, 4265..4579, 4266..4580, 4271..4600, 4273..4599		

Seq. No.	34910	Seq. ID	OJ990428_10.9924.C26
Gene No.	72112	Strand	-
Start	849	End	4600
Name	OJ990428_10.9924.C26.o1.tc	Method	TBLASTX:Cress
Start	4262	End	4570
GI	none	Score	401
Exons	4262..4570, 4272..4550, 4273..4569		

Seq. No.	34911	Seq. ID	OJ990428_10.9924.C27
Gene No.	72113	Strand	+
Start	1	End	3909
Name	OJ990428_10.9924.C27.o1.np	Method	AAT/NAP
Start	1	End	3871
GI	5903097	Score	955
Exons	1..38, 967..2280, 2320..2596, 2663..2865, 2927..3871		
GI Descrip.	(AC008017) Highly similar to receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	34911	Seq. ID	OJ990428_10.9924.C27
Gene No.	72113	Strand	+
Start	1	End	3909
Name	OJ990428_10.9924.C27.o1.gs	Method	GENSCAN
Start	319	End	3877
GI	none	Score	.78
Exons	319..321, 414..1203, 1404..2241, 2356..3877		

Seq. No.	34911	Seq. ID	OJ990428_10.9924.C27
Gene No.	72113	Strand	+

Start	1	End	3909
Name	OJ990428_10.9924.C27.o2.np	Method	AAT/NAP
Start	735	End	3909
GI	3641252	Score	901
Exons	735..1216, 1361..2937, 3011..3909		
GI Descrip.	(AF053127) leucine-rich receptor-like protein kinase [Malus domestica]		

Seq. No.	34911	Seq. ID	OJ990428_10.9924.C27
Gene No.	72113	Strand	+
Start	1	End	3909
Name	OJ990428_10.9924.C27.o3.ts	Method	TBLASTX:Soybean
Start	777	End	965
GI	none	Score	195
Exons	777..965, 779..937		

Seq. No.	34911	Seq. ID	OJ990428_10.9924.C27
Gene No.	72113	Strand	+
Start	1	End	3909
Name	OJ990428_10.9924.C27.o1.tc	Method	TBLASTX:Cress
Start	873	End	3823
GI	none	Score	67
Exons	873..1034, 966..1172, 1089..1172, 1217..1330, 1226..1327,		

1226..1327, 1226..1330, 1232..1342, 1334..1918, 1358..1699,
 1361..1771, 1373..1855, 1376..1846, 1376..1924, 1436..1843,
 1439..1852, 1511..1855, 1520..1858, 1580..1864, 1931..2251,
 1937..2284, 1940..2275, 1943..2233, 1943..2218, 1943..2242,
 1943..2233, 1952..2236, 1952..2206, 1952..2242, 2012..2233,
 2087..2221, 2357..2542, 2357..2533, 2360..2533, 2366..2485,
 2369..2542, 2369..2584, 2426..2536, 2486..2620, 2993..3085,
 3104..3259, 3284..3454, 3298..3444, 3539..3616, 3737..3823

Seq. No.	34911	Seq. ID	OJ990428_10.9924.C27
Gene No.	72113	Strand	+
Start	1	End	3909
Name	OJ990428_10.9924.C27.o2.tm	Method	TBLASTX:Maize
Start	951	End	2536
GI	none	Score	85
Exons	951..1172, 972..1064, 1089..1163, 1232..1327, 1328..1579, 1376..1711, 1442..1783, 1459..1704, 1520..1879, 1520..1879, 1522..1920, 1730..1846, 1865..1954, 1877..1936, 1885..1953, 1937..2071, 1940..2209, 1943..2200, 2360..2536		

Seq. No.	34911	Seq. ID	OJ990428_10.9924.C27
Gene No.	72113	Strand	+
Start	1	End	3909
Name	OJ990428_10.9924.C27.o2.ts	Method	TBLASTX:Soybean
Start	966	End	2596
GI	none	Score	60
Exons	966..1127, 1089..1172, 1089..1172, 1137..1172, 1175..1204, 1214..1327, 1217..1330, 1226..1327, 1226..1327, 1235..1288, 1241..1327, 1250..1330, 1358..1846, 1358..1828, 1361..1777, 1409..1516, 1448..1849, 1511..1855, 1607..1846, 1679..1855, 1868..1918, 1877..2251, 1943..2215, 1943..2215, 1943..2233, 1943..2134, 1943..2206, 1952..2233, 1952..2242, 1967..2242, 1985..2104, 2360..2542, 2360..2497, 2360..2596, 2369..2536, 2375..2536		

Seq. No.	34911	Seq. ID	OJ990428_10.9924.C27
Gene No.	72113	Strand	+
Start	1	End	3909
Name	OJ990428_10.9924.C27.o3.tm	Method	TBLASTX:Maize
Start	2536	End	2799
GI	none	Score	127
Exons	2536..2655, 2537..2620, 2624..2737, 2672..2797, 2722..2799		

Seq. No.	34911	Seq. ID	OJ990428_10.9924.C27
Gene No.	72113	Strand	+
Start	1	End	3909
Name	OJ990428_10.9924.C27.o1.ts	Method	TBLASTX:Soybean
Start	2729	End	3844
GI	none	Score	111
Exons	2729..2836, 2948..3055, 3056..3160, 3142..3279, 3143..3256, 3277..3621, 3278..3676, 3685..3843, 3686..3844		

Seq. No.	34911	Seq. ID	OJ990428_10.9924.C27
Gene No.	72113	Strand	+
Start	1	End	3909
Name	OJ990428_10.9924.C27.o1.tm	Method	TBLASTX:Maize
Start	2987	End	3841
GI	none	Score	241
Exons	2987..3256, 3016..3240, 3284..3349, 3364..3618, 3365..3670, 3716..3841		

Seq. No.	34911	Seq. ID	OJ990428_10.9924.C27
Gene No.	72113	Strand	+
Start	1	End	3909
Name	OJ990428_10.9924.C27.o1.tw	Method	TBLASTX:Wheat
Start	3232	End	3613
GI	none	Score	176
Exons	3232..3330, 3233..3475, 3358..3444, 3557..3613		

Seq. No.	34912	Seq. ID	OJ990428_10.9924.C28
Gene No.	72114	Strand	+
Start	1	End	2799
Name	OJ990428_10.9924.C28.o2.np	Method	AAT/NAP
Start	1	End	2799
GI	4586056	Score	145
Exons	1..29, 1053..1300, 1403..1471, 2130..2261, 2741..2799		
GI Descrip.	(AC007020) unknown protein [Arabidopsis thaliana]		

Seq. No.	34912	Seq. ID	OJ990428_10.9924.C28
Gene No.	72114	Strand	+
Start	1	End	2799
Name	OJ990428_10.9924.C28.o1.gs	Method	GENSCAN
Start	752	End	2568
GI	none	Score	.7
Exons	752..1300, 1403..1471, 2524..2568		

Seq. No.	34912	Seq. ID	OJ990428_10.9924.C28
Gene No.	72114	Strand	+
Start	1	End	2799
Name	OJ990428_10.9924.C28.o1.tc	Method	TBLASTX:Cress
Start	1052	End	1456

GI	none	Score	228
Exons	1052..1300, 1087..1287, 1403..1456		
Seq. No.	34912	Seq. ID	OJ990428_10.9924.C28
Gene No.	72114	Strand	+
Start	1	End	2799
Name	OJ990428_10.9924.C28.ol.ts	Method	TBLASTX:Soybean
Start	1052	End	2571
GI	none	Score	196
Exons	1052..1228, 1069..1227, 1265..1300, 1271..1300, 1383..1472, 1403..1474, 2054..2263, 2130..2264, 2148..2273, 2354..2410, 2359..2406, 2509..2571, 2523..2564		

Seq. No.	34912	Seq. ID	OJ990428_10.9924.C28
Gene No.	72114	Strand	+
Start	1	End	2799
Name	OJ990428_10.9924.C28.ol.tw	Method	TBLASTX:Wheat
Start	1058	End	1471
GI	none	Score	40
Exons	1058..1087, 1059..1082, 1090..1296, 1091..1300, 1244..1300, 1388..1471, 1402..1443, 1436..1471		

Seq. No.	34912	Seq. ID	OJ990428_10.9924.C28
Gene No.	72114	Strand	+
Start	1	End	2799
Name	OJ990428_10.9924.C28.ol.gp	Method	AAT/GAP
Start	1130	End	2561
GI	uC-osflcyp128a03a1	Score	840
Exons	1130..1300, 1403..1471, 2130..2261, 2357..2410, 2524..2561		
GI Descrip.	'5042437/gb AC007789.1 AC007789 1.0e-29 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	34912	Seq. ID	OJ990428_10.9924.C28
Gene No.	72114	Strand	+
Start	1	End	2799
Name	OJ990428_10.9924.C28.ol.tm	Method	TBLASTX:Maize
Start	1187	End	2571
GI	none	Score	80
Exons	1187..1300, 1244..1300, 1401..1472, 1403..1474, 2087..2263, 2130..2264, 2344..2409, 2347..2400, 2354..2410, 2500..2571, 2523..2567		

Seq. No.	34913	Seq. ID	OJ990428_10.9924.C29
Gene No.	72115	Strand	+
Start	407	End	1147
Name	OJ990428_10.9924.C29.ol.gs	Method	GENSCAN
Start	407	End	1147
GI	none	Score	.71
Exons	407..546, 1009..1026, 1129..1147		

Seq. No.	34913	Seq. ID	OJ990428_10.9924.C29
Gene No.	72116	Strand	+
Start	1782	End	3866
Name	OJ990428_10.9924.C29.o2.tm	Method	TBLASTX:Maize
Start	398	End	1058
GI	none	Score	84
Exons	398..550, 400..459, 407..547, 493..549, 798..929, 799..927,		

1010..1051, 1010..1051, 1014..1058

Seq. No.	34913	Seq. ID	OJ990428_10.9924.C29
Gene No.	72116	Strand	+
Start	1782	End	3866
Name	OJ990428_10.9924.C29.o2.ts	Method	TBLASTX:Soybean
Start	400	End	1065
GI	none	Score	62
Exons	400..456, 406..549, 407..547, 798..932, 799..927, 1009..1065, 1010..1063		

Seq. No.	34913	Seq. ID	OJ990428_10.9924.C29
Gene No.	72116	Strand	+
Start	1782	End	3866
Name	OJ990428_10.9924.C29.o1.np	Method	AAT/NAP
Start	1776	End	3626
GI	4582430	Score	683
Exons	1776..2525, 3107..3626		
GI Descrip.	(AC007196) putative nonsense-mediated mRNA decay protein [Arabidopsis thaliana]		

Seq. No.	34913	Seq. ID	OJ990428_10.9924.C29
Gene No.	72116	Strand	+
Start	1782	End	3866
Name	OJ990428_10.9924.C29.o2.gs	Method	GENSCAN
Start	1782	End	3866
GI	none	Score	.45
Exons	1782..2402, 3186..3866		

Seq. No.	34913	Seq. ID	OJ990428_10.9924.C29
Gene No.	72116	Strand	+
Start	1782	End	3866
Name	OJ990428_10.9924.C29.o1.ts	Method	TBLASTX:Soybean
Start	1833	End	3473
GI	none	Score	271
Exons	1833..2165, 1838..2020, 2069..2113, 2172..2231, 2283..2363, 2411..2518, 3150..3374, 3426..3473		

Seq. No.	34913	Seq. ID	OJ990428_10.9924.C29
Gene No.	72116	Strand	+
Start	1782	End	3866
Name	OJ990428_10.9924.C29.o2.tc	Method	TBLASTX:Cress
Start	1833	End	2114
GI	none	Score	207
Exons	1833..2045, 1838..1921, 2070..2114		

Seq. No.	34913	Seq. ID	OJ990428_10.9924.C29
Gene No.	72116	Strand	+
Start	1782	End	3866
Name	OJ990428_10.9924.C29.o1.tc	Method	TBLASTX:Cress
Start	3120	End	3617
GI	none	Score	200
Exons	3120..3374, 3146..3343, 3450..3563, 3458..3556, 3555..3617		

Seq. No.	34913	Seq. ID	OJ990428_10.9924.C29
Gene No.	72116	Strand	+
Start	1782	End	3866

Name	OJ990428_10.9924.C29.o1.tm	Method	TBLASTX:Maize
Start	3122	End	3675
GI	none	Score	36
Exons	3122..3343, 3124..3150, 3150..3380, 3425..3553, 3426..3551, 3555..3617, 3560..3598, 3622..3675		

Seq. No.	34914	Seq. ID	OJ990428_10.9924.C30
Gene No.	72117	Strand	+
Start	121	End	2675
Name	OJ990428_10.9924.C30.o1.gs	Method	GENSCAN
Start	121	End	2675
GI	none	Score	.67
Exons	121..204, 1387..1876, 1935..2062, 2096..2257, 2295..2675		

Seq. No.	34915	Seq. ID	OJ990428_10.9924.C31
Gene No.	72118	Strand	+
Start	539	End	3581
Name	OJ990428_10.9924.C31.o1.gs	Method	GENSCAN
Start	539	End	3581
GI	none	Score	.63
Exons	539..775, 789..1059, 3277..3581		

Seq. No.	34915	Seq. ID	OJ990428_10.9924.C31
Gene No.	72119	Strand	+
Start	4396	End	7242
Name	OJ990428_10.9924.C31.o2.gs	Method	GENSCAN
Start	4396	End	7242
GI	none	Score	.77
Exons	4396..5349, 6142..6394, 7208..7242		

Seq. No.	34915	Seq. ID	OJ990428_10.9924.C31
Gene No.	72119	Strand	+
Start	4396	End	7242
Name	OJ990428_10.9924.C31.o1.np	Method	AAT/NAP
Start	4411	End	6477
GI	6739506	Score	955
Exons	4411..5215, 5258..5349, 5863..6477		
GI Descrip.	(AF122821) cytochrome P450 [Capsicum annuum]		

Seq. No.	34915	Seq. ID	OJ990428_10.9924.C31
Gene No.	72119	Strand	+
Start	4396	End	7242
Name	OJ990428_10.9924.C31.o1.gp	Method	AAT/GAP
Start	5868	End	6179
GI	LIB3433-033-P1-K1-B4	Score	583
Exons	5868..6179		
GI Descrip.	'5921278/emb CAB56503.1 2.0e-20 (AJ238612) cytochrome P450 [Catharanthus roseus]'		

Seq. No.	34915	Seq. ID	OJ990428_10.9924.C31
Gene No.	72120	Strand	+
Start	10023	End	14180
Name	OJ990428_10.9924.C31.o4.gs	Method	GENSCAN
Start	10023	End	11764
GI	none	Score	.74
Exons	10023..10934, 11090..11764		

Seq. No.	34915	Seq. ID	OJ990428_10.9924.C31
Gene No.	72120	Strand	+
Start	10023	End	14180
Name	OJ990428_10.9924.C31.o3.np	Method	AAT/NAP
Start	10059	End	11701
GI	5915830	Score	674
Exons	10059..10934, 11090..11701		
GI Descrip.	CYTOCHROME P450 71B7 gi 1523796 emb CAA66458 (X97864) cytochrome P450 [Arabidopsis thaliana] gi 4850394 gb AAD31064.1 AC007357_13 (AC007357) Identical to gb X97864 cytochrome P450 from Arabidopsis thaliana and is a member of the PF 00067 Cytochrome P450 family. ESTs gb T44875, gb T04814, gb R65111, gb T44310 and gb T04541 come from this gene.		

Seq. No.	34915	Seq. ID	OJ990428_10.9924.C31
Gene No.	72120	Strand	+
Start	10023	End	14180
Name	OJ990428_10.9924.C31.o4.np	Method	AAT/NAP
Start	11648	End	14180
GI	5915839	Score	426
Exons	11648..11711, 13565..14180		
GI Descrip.	CYTOCHROME P450 71D10 gi 2739000 gb AAB94588 (AF022459) CYP71D10p [Glycine max]		

Seq. No.	34915	Seq. ID	OJ990428_10.9924.C31
Gene No.	72121	Strand	+
Start	14959	End	17431
Name	OJ990428_10.9924.C31.o1.ts	Method	TBLASTX:Soybean
Start	521	End	14159
GI	none	Score	79
Exons	521..589, 1425..1508, 1433..1504, 1573..1701, 1628..1756, 1629..1901, 1634..1978, 1768..1980, 4452..4574, 4486..4581, 4576..4872, 4608..4697, 4915..5100, 5131..5166, 5203..5316, 5854..6042, 5860..5970, 6019..6105, 6042..6092, 6100..6456, 6115..6381, 6117..6470, 10131..10226, 10157..10219, 10221..10361, 10253..10342, 10389..10481, 10578..10730, 10752..10901, 11089..11235, 11090..11269, 11246..11323, 11269..11319, 11327..11683, 11344..11604, 11470..11691, 13611..13667, 13751..13903, 13806..13844, 13846..13890, 13883..13930, 13944..14159, 13946..14131		

Seq. No.	34915	Seq. ID	OJ990428_10.9924.C31
Gene No.	72121	Strand	+
Start	14959	End	17431
Name	OJ990428_10.9924.C31.o2.tm	Method	TBLASTX:Maize
Start	786	End	10739
GI	none	Score	89
Exons	786..878, 4428..4466, 4498..4563, 4512..4571, 4557..4742, 4561..4872, 4570..4872, 4915..5100, 4944..5078, 10143..10208, 10157..10216, 10202..10360, 10207..10296, 10215..10385, 10389..10481, 10551..10739, 10578..10721		

Seq. No.	34915	Seq. ID	OJ990428_10.9924.C31
Gene No.	72121	Strand	+
Start	14959	End	17431
Name	OJ990428_10.9924.C31.o1.tm	Method	TBLASTX:Maize

Start	1425	End	14231
GI	none	Score	56
Exons	1425..1508, 1560..1670, 1571..1768, 1634..1978, 1704..1940, 1771..1950, 5863..5985, 5898..5984, 6022..6093, 6027..6089, 6100..6468, 6132..6467, 11090..11212, 11249..11320, 11254..11316, 11327..11695, 11347..11604, 13605..13688, 13624..13689, 13735..13842, 13751..13837, 13940..14128, 13944..14231		

Seq. No.	34915	Seq. ID	OJ990428_10.9924.C31
Gene No.	72121	Strand	+
Start	14959	End	17431
Name	OJ990428_10.9924.C31.o2.tw	Method	TBLASTX:Wheat
Start	1425	End	13878
GI	none	Score	71
Exons	1425..1505, 1427..1507, 1567..1701, 1576..1701, 1628..1702, 5260..5343, 5862..6005, 5863..6012, 6027..6119, 6028..6105, 6114..6176, 6115..6177, 11089..11232, 11090..11239, 11254..11325, 11255..11332, 11341..11403, 11342..11404, 13564..13758, 13611..13700, 13747..13833, 13749..13835, 13751..13837, 13803..13841, 13840..13878		

Seq. No.	34915	Seq. ID	OJ990428_10.9924.C31
Gene No.	72121	Strand	+
Start	14959	End	17431
Name	OJ990428_10.9924.C31.o1.tc	Method	TBLASTX:Cress
Start	1443	End	14221
GI	none	Score	240
Exons	1443..1517, 1576..1665, 1643..1957, 1777..1941, 4507..4566, 4509..4565, 4561..4872, 4593..4877, 5854..6093, 5862..6095, 6115..6474, 6171..6413, 10152..10211, 10154..10210, 10206..10370, 10238..10369, 10386..10484, 11089..11322, 11090..11320, 11338..11604, 11342..11701, 11399..11641, 13564..13752, 13605..13691, 13745..13837, 13815..13838, 13846..13881, 13889..13954, 13943..14008, 13944..14159, 14189..14221		

Seq. No.	34915	Seq. ID	OJ990428_10.9924.C31
Gene No.	72121	Strand	+
Start	14959	End	17431
Name	OJ990428_10.9924.C31.o1.tw	Method	TBLASTX:Wheat
Start	1733	End	14168
GI	none	Score	216
Exons	1733..1981, 1777..1977, 6207..6434, 6208..6465, 11434..11604, 11435..11692, 13940..14134, 13944..14168		

Seq. No.	34915	Seq. ID	OJ990428_10.9924.C31
Gene No.	72121	Strand	+
Start	14959	End	17431
Name	OJ990428_10.9924.C31.o5.gs	Method	GENSCAN
Start	14959	End	16294
GI	none	Score	.63
Exons	14959..15035, 15065..15242, 15290..15697, 15772..15928, 15977..16294		

Seq. No.	34915	Seq. ID	OJ990428_10.9924.C31
Gene No.	72121	Strand	+

Start	14959	End	17431
Name	OJ990428_10.9924.C31.o5.np	Method	AAT/NAP
Start	15171	End	17431
GI	4454023	Score	331
Exons	15171..15697, 15772..15972, 16006..16298, 17080..17431		
GI Descrip.	(AL035394) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	34916	Seq. ID	OJ990428_10.9924.C32
Gene No.	72122	Strand	+
Start	1	End	4872
Name	OJ990428_10.9924.C32.o1.np	Method	AAT/NAP
Start	1	End	3631
GI	4454023	Score	324
Exons	1..66, 580..651, 964..1205, 1279..1460, 1597..1826, 2705..2878, 3236..3333, 3449..3489, 3546..3631		
GI Descrip.	(AL035394) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	34916	Seq. ID	OJ990428_10.9924.C32
Gene No.	72122	Strand	+
Start	1	End	4872
Name	OJ990428_10.9924.C32.o1.gs	Method	GENSCAN
Start	591	End	4872
GI	none	Score	92
Exons	591..679, 995..1205, 1279..1460, 1587..1826, 2705..2892, 3244..3337, 3421..3477, 3566..3700, 4474..4539, 4759..4872		

Seq. No.	34917	Seq. ID	OJ990428_10.9924.C33
Gene No.	72123	Strand	+
Start	1	End	8015
Name	OJ990428_10.9924.C33.o1.np	Method	AAT/NAP
Start	1	End	2555
GI	3451079	Score	166
Exons	1..71, 862..1023, 1106..1234, 2432..2555		
GI Descrip.	(AL031326) putative protein [Arabidopsis thaliana]		

Seq. No.	34917	Seq. ID	OJ990428_10.9924.C33
Gene No.	72123	Strand	+
Start	1	End	8015
Name	OJ990428_10.9924.C33.o1.gs	Method	GENSCAN
Start	862	End	7754
GI	none	Score	.85
Exons	862..1023, 1106..1234, 1336..1437, 2441..2517, 2613..2881, 4974..5146, 5409..5499, 5715..5827, 5925..5997, 6093..6213, 6302..6419, 6706..6845, 6925..6982, 7080..7150, 7220..7754		

Seq. No.	34917	Seq. ID	OJ990428_10.9924.C33
Gene No.	72123	Strand	+
Start	1	End	8015
Name	OJ990428_10.9924.C33.o1.gp	Method	AAT/GAP
Start	1106	End	2850
GI	none	Score	993
Exons	1106..1234, 1336..1437, 2441..2517, 2616..2850		

Seq. No.	34917	Seq. ID	OJ990428_10.9924.C33
Gene No.	72123	Strand	+
Start	1	End	8015
Name	OJ990428_10.9924.C33.o3.gp	Method	AAT/GAP

Start	4978	End	5476
GI	2317361	Score	545
Exons	4978..5146, 5233..5314, 5409..5476		
GI Descrip.	1806140/emb CAA65979 3.0e-24 (X97314) cdc2MsC [Medicago sativa]		

Seq. No.	34917	Seq. ID	OJ990428_10.9924.C33
Gene No.	72123	Strand	+
Start	1	End	8015
Name	OJ990428_10.9924.C33.o2.np	Method	AAT/NAP
Start	5037	End	7727
GI	1806140	Score	1726
Exons	5037..5146, 5233..5314, 5409..5499, 5596..5627, 5720..5827, 5925..5997, 6093..6213, 6302..6419, 6706..6845, 6925..6982, 7080..7150, 7220..7727		
GI Descrip.	(X97314) cdc2MsC [Medicago sativa]		

Seq. No.	34917	Seq. ID	OJ990428_10.9924.C33
Gene No.	72123	Strand	+
Start	1	End	8015
Name	OJ990428_10.9924.C33.o4.gp	Method	AAT/GAP
Start	7206	End	8015
GI	31995_1.R1084	Score	1534
Exons	7206..8015		
GI Descrip.	'1806140/emb CAA65979 9.0e-13 (X97314) cdc2MsC [Medicago sativa]'		

Seq. No.	34917	Seq. ID	OJ990428_10.9924.C33
Gene No.	72124	Strand	-
Start	2900	End	3371
Name	OJ990428_10.9924.C33.o2.gp	Method	AAT/GAP
Start	2900	End	3371
GI	uC-osflcyp078a03a1	Score	936
Exons	2900..3371		
GI Descrip.	'1806140/emb CAA65979 3.0e-24 (X97314) cdc2MsC [Medicago sativa]'		

Seq. No.	34917	Seq. ID	OJ990428_10.9924.C33
Gene No.	72125	Strand	-
Start	10145	End	13180
Name	OJ990428_10.9924.C33.o4.tm	Method	TBLASTX:Maize
Start	888	End	1029
GI	none	Score	98
Exons	888..980, 888..1022, 889..1029		

Seq. No.	34917	Seq. ID	OJ990428_10.9924.C33
Gene No.	72125	Strand	-
Start	10145	End	13180
Name	OJ990428_10.9924.C33.o1.tm	Method	TBLASTX:Maize
Start	5024	End	7922
GI	none	Score	217
Exons	5024..5146, 5025..5180, 5233..5313, 5233..5313, 5390..5500, 5409..5501, 5594..5626, 5595..5624, 5711..5827, 5714..5827, 5917..5997, 5922..6002, 5922..6008, 6086..6214, 6091..6213, 6278..6427, 6300..6419, 6703..6843, 6705..6845, 6925..6981, 6926..6982, 6927..6983, 7076..7150, 7077..7148, 7214..7369, 7218..7370, 7371..7442, 7371..7517, 7372..7491, 7491..7568, 7496..7570, 7532..7618, 7572..7697, 7574..7720, 7699..7752,		

7701..7736, 7713..7760, 7863..7922

Seq. No.	34917	Seq. ID	OJ990428_10.9924.C33
Gene No.	72125	Strand	-
Start	10145	End	13180
Name	OJ990428_10.9924.C33.o1.ts	Method	TBLASTX:Soybean
Start	5033	End	7660
GI	none	Score	183
Exons	5033..5146, 5034..5171, 5228..5314, 5236..5313, 5390..5500, 5409..5501, 5594..5623, 5595..5624, 5713..5826, 5716..5826, 5717..5827, 5922..6002, 5924..6001, 6086..6214, 6091..6213, 6278..6427, 6287..6418, 6300..6419, 6699..6845, 6703..6843, 6925..6975, 6926..6982, 7077..7148, 7079..7150, 7217..7384, 7218..7256, 7311..7385, 7404..7442, 7529..7660		

Seq. No.	34917	Seq. ID	OJ990428_10.9924.C33
Gene No.	72125	Strand	-
Start	10145	End	13180
Name	OJ990428_10.9924.C33.o1.tc	Method	TBLASTX:Cress
Start	5069	End	5957
GI	none	Score	125
Exons	5069..5146, 5079..5171, 5228..5314, 5236..5313, 5390..5500, 5409..5501, 5595..5624, 5713..5826, 5716..5826, 5717..5827, 5922..5957, 5924..5950		

Seq. No.	34917	Seq. ID	OJ990428_10.9924.C33
Gene No.	72125	Strand	-
Start	10145	End	13180
Name	OJ990428_10.9924.C33.o1.tw	Method	TBLASTX:Wheat
Start	5723	End	6353
GI	none	Score	105
Exons	5723..5827, 5749..5826, 5922..6002, 6086..6214, 6091..6210, 6300..6353		

Seq. No.	34917	Seq. ID	OJ990428_10.9924.C33
Gene No.	72125	Strand	-
Start	10145	End	13180
Name	OJ990428_10.9924.C33.o2.tc	Method	TBLASTX:Cress
Start	5970	End	6843
GI	none	Score	57
Exons	5970..6002, 6086..6214, 6091..6213, 6098..6214, 6278..6427, 6300..6419, 6703..6750, 6708..6749, 6751..6843, 6759..6839		

Seq. No.	34917	Seq. ID	OJ990428_10.9924.C33
Gene No.	72125	Strand	-
Start	10145	End	13180
Name	OJ990428_10.9924.C33.o3.tc	Method	TBLASTX:Cress
Start	6925	End	7355
GI	none	Score	89
Exons	6925..6978, 6926..6991, 7077..7148, 7079..7150, 7214..7345, 7218..7256, 7329..7355		

Seq. No.	34917	Seq. ID	OJ990428_10.9924.C33
Gene No.	72125	Strand	-
Start	10145	End	13180
Name	OJ990428_10.9924.C33.o5.gp	Method	AAT/GAP
Start	9967	End	10563

GI LIB3431-043-P1-N1-D8 Score 788
 Exons 9967..10258, 10345..10407, 10497..10563
 GI Descrip. '4583548/emb|CAB40382.1| 1.0e-32 (AJ010820) chloroplast FtsY homolog [Arabidopsis thaliana]'

Seq. No. 34917 Seq. ID OJ990428_10.9924.C33
 Gene No. 72125 Strand -
 Start 10145 End 13180
 Name OJ990428_10.9924.C33.o2.gs Method GENSCAN
 Start 10145 End 13180
 GI none Score .91
 Exons 10145..10258, 10729..10811, 10906..10974, 11069..11189, 11348..11385, 11945..12059, 12254..12604, 12663..12848, 12998..13180

Seq. No. 34917 Seq. ID OJ990428_10.9924.C33
 Gene No. 72125 Strand -
 Start 10145 End 13180
 Name OJ990428_10.9924.C33.o2.ts Method TBLASTX:Soybean
 Start 10145 End 10776
 GI none Score 168
 Exons 10145..10258, 10146..10265, 10149..10259, 10153..10260, 10342..10407, 10343..10408, 10482..10565, 10495..10566, 10495..10575, 10497..10574, 10702..10776

Seq. No. 34917 Seq. ID OJ990428_10.9924.C33
 Gene No. 72125 Strand -
 Start 10145 End 13180
 Name OJ990428_10.9924.C33.o2.tm Method TBLASTX:Maize
 Start 10145 End 10408
 GI none Score 168
 Exons 10145..10258, 10146..10265, 10149..10259, 10153..10260, 10342..10407, 10343..10408

Seq. No. 34917 Seq. ID OJ990428_10.9924.C33
 Gene No. 72125 Strand -
 Start 10145 End 13180
 Name OJ990428_10.9924.C33.o3.np Method AAT/NAP
 Start 10148 End 12775
 GI 3386617 Score 1022
 Exons 10148..10258, 10345..10407, 10497..10565, 10729..10811, 10906..10974, 11069..11189, 11348..11385, 11945..12003, 12089..12162, 12234..12354, 12466..12775
 GI Descrip. (AC004665) putative signal recognition particle receptor (alpha subunit) [Arabidopsis thaliana]

Seq. No. 34917 Seq. ID OJ990428_10.9924.C33
 Gene No. 72125 Strand -
 Start 10145 End 13180
 Name OJ990428_10.9924.C33.o6.gp Method AAT/GAP
 Start 10764 End 12524
 GI LIB3431-043-P1-K1-D8 Score 932
 Exons 10764..10811, 10906..10974, 11069..11189, 11348..11385, 11945..12003, 12089..12162, 12254..12358, 12470..12524
 GI Descrip. '2995254/emb|AJ004857|HVAJ4857 5.0e-23 Hordeum vulgare mRNA for hypothetical protein'

Seq. No.	34917	Seq. ID	OJ990428_10.9924.C33
Gene No.	72125	Strand	-
Start	10145	End	13180
Name	OJ990428_10.9924.C33.o3.tm	Method	TBLASTX:Maize
Start	10901	End	12281
GI	none	Score	95
Exons	10901..10975, 10908..10976, 11076..11192, 11076..11189, 11324..11389, 11346..11390, 11943..12005, 11952..12002, 12088..12168, 12088..12168, 12254..12280, 12255..12281		

Seq. No.	34917	Seq. ID	OJ990428_10.9924.C33
Gene No.	72125	Strand	-
Start	10145	End	13180
Name	OJ990428_10.9924.C33.o3.ts	Method	TBLASTX:Soybean
Start	12252	End	12635
GI	none	Score	78
Exons	12252..12359, 12254..12361, 12467..12634, 12510..12635		

Seq. No.	34918	Seq. ID	OJ990428_10.9924.C34
Gene No.	72126	Strand	+
Start	1	End	882
Name	OJ990428_10.9924.C34.o1.gp	Method	AAT/GAP
Start	1	End	467
GI	3759676	Score	848
Exons	1..467		
GI Descrip.	2995254/emb AJ004857 HVAJ4857 5.0e-23 Hordeum vulgare mRNA for hypothetical protein		

Seq. No.	34918	Seq. ID	OJ990428_10.9924.C34
Gene No.	72126	Strand	+
Start	1	End	882
Name	OJ990428_10.9924.C34.o1.gs	Method	GENSCAN
Start	3	End	882
GI	none	Score	.49
Exons	3..237, 732..882		

Seq. No.	34918	Seq. ID	OJ990428_10.9924.C34
Gene No.	72126	Strand	+
Start	1	End	882
Name	OJ990428_10.9924.C34.o1.tm	Method	TBLASTX:Maize
Start	28	End	273
GI	none	Score	287
Exons	28..195, 30..269, 31..273		

Seq. No.	34919	Seq. ID	OJ990728_13.9920.C1
Gene No.	72127	Strand	+
Start	220	End	558
Name	OJ990728_13.9920.C1.o1.gs	Method	GENSCAN
Start	220	End	558
GI	none	Score	.88
Exons	220..558		

Seq. No.	34920	Seq. ID	OJ990728_13.9920.C2
Gene No.	72128	Strand	+
Start	81	End	116
Name	OJ990728_13.9920.C2.o1.gs	Method	GENSCAN
Start	81	End	116

GI	none	Score	.6
Exons	81..116		
Seq. No.	34920	Seq. ID	OJ990728_13.9920.C2
Gene No.	72129	Strand	-
Start	1310	End	1723
Name	OJ990728_13.9920.C2.o2.gs	Method	GENSCAN
Start	1310	End	1723
GI	none	Score	.87
Exons	1310..1723		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72130	Strand	+
Start	249	End	5577
Name	OJ990728_13.9920.C3.o1.gs	Method	GENSCAN
Start	249	End	5574
GI	none	Score	.73
Exons	249..255, 2237..2350, 2424..2535, 2941..3069, 3234..3412, 3489..3652, 3758..3832, 3917..4225, 4701..5045, 5458..5574		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72130	Strand	+
Start	249	End	5577
Name	OJ990728_13.9920.C3.o1.np	Method	AAT/NAP
Start	3013	End	5577
GI	3386605	Score	931
Exons	3013..3652, 3758..3832, 3917..4225, 4701..5045, 5458..5577		
GI Descrip.	(AC004665) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72131	Strand	+
Start	26210	End	26431
Name	OJ990728_13.9920.C3.o3.gs	Method	GENSCAN
Start	26210	End	26431
GI	none	Score	.55
Exons	26210..26431		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72132	Strand	+
Start	27179	End	27621
Name	OJ990728_13.9920.C3.o2.gp	Method	AAT/GAP
Start	27179	End	27621
GI	none	Score	793
Exons	27179..27621		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72133	Strand	+
Start	32853	End	33253
Name	OJ990728_13.9920.C3.o5.gp	Method	AAT/GAP
Start	32853	End	33253
GI	3106733	Score	646
Exons	32853..33253		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72134	Strand	+
Start	35958	End	41185
Name	OJ990728_13.9920.C3.o6.gs	Method	GENSCAN

Start	35958	End	41185
GI	none	Score	.65
Exons	35958..36211, 36970..37122, 37133..37292, 37617..37703, 41120..41185		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72135	Strand	+
Start	42538	End	42618
Name	OJ990728_13.9920.C3.o6.gp	Method	AAT/GAP
Start	42538	End	42618
GI	LIB3477-003-P1-K1-E9	Score	117
Exons	42538..42618		
GI Descrip.	'2498586/sp Q40638 MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72136	Strand	-
Start	3831	End	25411
Name	OJ990728_13.9920.C3.o2.np	Method	AAT/NAP
Start	3831	End	6817
GI	4680190	Score	127
Exons	3831..3888, 6421..6517, 6588..6817		
GI Descrip.	(AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72136	Strand	-
Start	3831	End	25411
Name	OJ990728_13.9920.C3.o2.gs	Method	GENSCAN
Start	6394	End	25411
GI	none	Score	.77
Exons	6394..6551, 7354..7373, 7532..7630, 7968..7991, 8116..8170, 8235..8385, 10467..10709, 10964..11198, 11803..12112, 12193..12373, 12403..14344, 15729..15844, 16375..18042, 18145..18489, 18601..18750, 19219..19326, 19575..19628, 20147..20218, 20425..20502, 22978..23134, 24054..24188, 25332..25411		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72136	Strand	-
Start	3831	End	25411
Name	OJ990728_13.9920.C3.o1.gp	Method	AAT/GAP
Start	6412	End	7614
GI	700043	Score	786
Exons	6412..6551, 6628..6817, 7532..7614		
GI Descrip.	4680190/gb AAD27555.1 AF111710_1 1.0e-19 (AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72136	Strand	-
Start	3831	End	25411
Name	OJ990728_13.9920.C3.o3.np	Method	AAT/NAP
Start	10419	End	19659
GI	2252843	Score	3010
Exons	10419..10861, 10955..11009, 11064..11234, 11794..14344, 15729..15812, 15870..17191, 17276..18068, 18145..18472,		

18552..18750, 19219..19361, 19557..19659
 GI Descrip. (AF013293) No definition line found [Arabidopsis thaliana]
 gi|6049885|gb|AAF02800.1|AF195115_20 (AF195115) No definition
 line found [Arabidopsis thaliana]

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72137	Strand	-
Start	27694	End	31361
Name	OJ990728_13.9920.C3.o4.gs	Method	GENSCAN
Start	27694	End	31361
GI	none	Score	.9
Exons	27694..28244, 28371..28611, 28694..28821, 28910..30479, 30726..30784, 31205..31361		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72137	Strand	-
Start	27694	End	31361
Name	OJ990728_13.9920.C3.o3.gp	Method	AAT/GAP
Start	28546	End	29498
GI	none	Score	1439
Exons	28546..28611, 28694..28821, 28910..29498		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72138	Strand	-
Start	31294	End	32313
Name	OJ990728_13.9920.C3.o4.gp	Method	AAT/GAP
Start	31294	End	32313
GI	2310176	Score	823
Exons	31294..31466, 32031..32313		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72139	Strand	-
Start	34234	End	45294
Name	OJ990728_13.9920.C3.o4.np	Method	AAT/NAP
Start	34234	End	39786
GI	4538624	Score	537
Exons	34234..35597, 39761..39786		
GI Descrip.	(AJ133502) hypothetical protein [Nicotiana tabacum]		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72139	Strand	-
Start	34234	End	45294
Name	OJ990728_13.9920.C3.o5.np	Method	AAT/NAP
Start	38915	End	43574
GI	6069646	Score	365
Exons	38915..39297, 43519..43574		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72139	Strand	-
Start	34234	End	45294
Name	OJ990728_13.9920.C3.o7.gs	Method	GENSCAN
Start	43129	End	45294

GI	none	Score	.82
Exons	43129..43162, 43321..43415, 43519..43644, 43832..44066, 44794..44873, 45256..45294		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72140	Strand	-
Start	46368	End	55608
Name	OJ990728_13.9920.C3.o8.gs	Method	GENSCAN
Start	46368	End	55608
GI	none	Score	.74
Exons	46368..46498, 46756..46807, 46983..47145, 49031..49163, 50039..50237, 50424..50643, 52173..52237, 52348..52543, 52598..52797, 54031..54149, 54458..54650, 54842..55076, 55475..55608		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o3.ts	Method	TBLASTX:Soybean
Start	3295	End	3625
GI	none	Score	149
Exons	3295..3408, 3336..3401, 3494..3625		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o8.tm	Method	TBLASTX:Maize
Start	3295	End	3655
GI	none	Score	172
Exons	3295..3417, 3295..3336, 3336..3404, 3496..3588, 3497..3589, 3593..3655, 3598..3651		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o6.ts	Method	TBLASTX:Soybean
Start	3775	End	4132
GI	none	Score	76
Exons	3775..3840, 3776..3832, 3916..3960, 3917..3961, 4037..4132, 4039..4098		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o3.tc	Method	TBLASTX:Cress
Start	3916	End	4237
GI	none	Score	50
Exons	3916..3960, 3917..3961, 4037..4237, 4042..4224		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o9.tm	Method	TBLASTX:Maize
Start	4148	End	5053
GI	none	Score	69
Exons	4148..4225, 4698..4775, 4755..4898, 4929..5045, 4955..5047, 4956..5051, 4982..5053		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o1.tc	Method	TBLASTX:Cress
Start	4697	End	5054
GI	none	Score	362
Exons	4697..4723, 4698..5054, 4757..4891		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o1.ts	Method	TBLASTX:Soybean
Start	4719	End	5571
GI	none	Score	365
Exons	4719..5045, 5451..5567, 5458..5571		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o5.ts	Method	TBLASTX:Soybean
Start	10402	End	11077
GI	none	Score	81
Exons	10402..10515, 10416..10550, 10423..10539, 10566..10616, 10567..10617, 10567..10617, 10689..10805, 10964..11077		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o5.tm	Method	TBLASTX:Maize
Start	10415	End	10698
GI	none	Score	146
Exons	10415..10648, 10416..10667, 10420..10668, 10435..10698		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o3.tm	Method	TBLASTX:Maize
Start	10997	End	12356
GI	none	Score	91
Exons	10997..11116, 10998..11117, 11045..11119, 11084..11233, 11162..11200, 11184..11237, 11802..11855, 11802..12161, 11803..11967, 12010..12144, 12012..12161, 12151..12252, 12231..12356, 12245..12355		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o2.tw	Method	TBLASTX:Wheat
Start	11150	End	12191
GI	none	Score	63
Exons	11150..11230, 11161..11238, 11801..11965, 11802..12191, 11803..11967, 11816..11980, 12010..12144, 12015..12182		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184

Name	OJ990728_13.9920.C3.o2.ts	Method	TBLASTX:Soybean
Start	12826	End	13240
GI	none	Score	83
Exons	12826..12885, 12864..13058, 12870..12965, 12877..13056, 12911..13066, 13052..13183, 13057..13236, 13058..13240		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o7.tm	Method	TBLASTX:Maize
Start	12898	End	13173
GI	none	Score	155
Exons	12898..13071, 12914..13066, 13084..13173, 13094..13168		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o4.tm	Method	TBLASTX:Maize
Start	13726	End	14205
GI	none	Score	165
Exons	13726..13950, 13730..13951, 13849..13956, 13865..13951, 13884..13961, 13916..14017, 13936..14028, 13962..14057, 13962..14039, 14023..14076, 14024..14062, 14084..14203, 14103..14204, 14128..14205, 14128..14205		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o1.tm	Method	TBLASTX:Maize
Start	27721	End	28747
GI	none	Score	140
Exons	27721..27858, 27721..27858, 27741..27893, 27856..28218, 27859..28071, 27863..28219, 27878..28219, 27900..28220, 28111..28221, 28366..28482, 28366..28500, 28470..28601, 28485..28619, 28705..28746, 28706..28747		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o1.tw	Method	TBLASTX:Wheat
Start	27873	End	28181
GI	none	Score	248
Exons	27873..28181, 27874..28173		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o6.tm	Method	TBLASTX:Maize
Start	29303	End	29767
GI	none	Score	85
Exons	29303..29380, 29311..29397, 29312..29407, 29408..29482, 29412..29483, 29416..29484, 29443..29484, 29473..29601, 29482..29601, 29487..29615, 29604..29765, 29609..29767, 29610..29684, 29615..29767		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-

Start	56324	End	59184
Name	OJ990728_13.9920.C3.o2.tm	Method	TBLASTX:Maize
Start	29772	End	30347
GI	none	Score	289
Exons	29772..30230, 29779..29955, 29784..30257, 29987..30244, 30306..30347		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o2.tc	Method	TBLASTX:Cress
Start	33420	End	35078
GI	none	Score	88
Exons	33420..33518, 33633..33752, 34051..34200, 34374..34475, 34466..34936, 34926..35078		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o4.ts	Method	TBLASTX:Soybean
Start	33432	End	33759
GI	none	Score	44
Exons	33432..33524, 33440..33550, 33450..33521, 33633..33758, 33634..33759, 33636..33758		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o7.ts	Method	TBLASTX:Soybean
Start	34586	End	34840
GI	none	Score	75
Exons	34586..34840, 34646..34810		

Seq. No.	34921	Seq. ID	OJ990728_13.9920.C3
Gene No.	72141	Strand	-
Start	56324	End	59184
Name	OJ990728_13.9920.C3.o9.gs	Method	GENSCAN
Start	56324	End	59184
GI	none	Score	.7
Exons	56324..56485, 56780..56894, 57294..57408, 58224..58289, 58376..58568, 58956..59184		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72142	Strand	+
Start	1790	End	2312
Name	OJ990728_13.9920.C4.o1.gp	Method	AAT/GAP
Start	1790	End	2312
GI	LIB3434-038-P1-K1-F1	Score	765
Exons	1790..2312		
GI Descrip.	'5257255/dbj AP000364.1 AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72143	Strand	+
Start	12257	End	16200
Name	OJ990728_13.9920.C4.o2.np	Method	AAT/NAP
Start	12257	End	13991

GI 6721512 Score 54
 Exons 12257..12371, 13968..13991
 GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No. 34922 Seq. ID OJ990728_13.9920.C4
 Gene No. 72143 Strand +
 Start 12257 End 16200
 Name OJ990728_13.9920.C4.o3.np Method AAT/NAP
 Start 13207 End 15225
 GI 6721558 Score 234
 Exons 13207..13306, 14007..14131, 14752..14849, 15103..15225
 GI Descrip. (AP001073) hypothetical protein [Oryza sativa]
 gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein
 [Oryza sativa]

Seq. No. 34922 Seq. ID OJ990728_13.9920.C4
 Gene No. 72143 Strand +
 Start 12257 End 16200
 Name OJ990728_13.9920.C4.o3.gs Method GENSCAN
 Start 13288 End 16200
 GI none Score .55
 Exons 13288..13840, 14007..14131, 14199..14414, 14624..14863,
 15029..15336, 15458..15603, 15701..16200

Seq. No. 34922 Seq. ID OJ990728_13.9920.C4
 Gene No. 72143 Strand +
 Start 12257 End 16200
 Name OJ990728_13.9920.C4.o4.np Method AAT/NAP
 Start 13731 End 15337
 GI 6721561 Score 946
 Exons 13731..13766, 14165..14378, 14449..14511, 14581..15337
 GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the
 predicted gene.; hypothetical protein [Oryza sativa]
 gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976)
 corresponds to a region of the predicted gene.; hypothetical
 protein [Oryza sativa]

Seq. No. 34922 Seq. ID OJ990728_13.9920.C4
 Gene No. 72144 Strand +
 Start 23114 End 29777
 Name OJ990728_13.9920.C4.o7.np Method AAT/NAP
 Start 23114 End 27614
 GI 6721512 Score 57
 Exons 23114..23235, 27578..27614
 GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No. 34922 Seq. ID OJ990728_13.9920.C4
 Gene No. 72144 Strand +
 Start 23114 End 29777
 Name OJ990728_13.9920.C4.o3.gp Method AAT/GAP
 Start 24298 End 24968
 GI uC-osflcyp011b03b1 Score 940
 Exons 24298..24355, 24429..24491, 24600..24968
 GI Descrip. '1421751 3.0e-12 (U60592) putative ORF; conserved in 5' leaders
 of plant SAMdC [Pisum sativum]'

Seq. No. 34922 Seq. ID OJ990728_13.9920.C4

Gene No.	72144	Strand	+
Start	23114	End	29777
Name	OJ990728_13.9920.C4.o8.np	Method	AAT/NAP
Start	24434	End	27064
GI	6688926	Score	149
Exons	24434..24491, 24600..24670, 24744..24825, 25066..25181, 25296..25359, 26741..27064		
GI Descrip.	(AJ251365) VAP27 [Nicotiana plumbaginifolia]		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72144	Strand	+
Start	23114	End	29777
Name	OJ990728_13.9920.C4.o8.gs	Method	GENSCAN
Start	24437	End	29777
GI	none	Score	.8
Exons	24437..24491, 24600..24670, 26813..27736, 27862..28142, 28194..28480, 28627..28814, 28890..29079, 29152..29256, 29329..29777		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72144	Strand	+
Start	23114	End	29777
Name	OJ990728_13.9920.C4.o9.np	Method	AAT/NAP
Start	26852	End	29774
GI	6691716	Score	2370
Exons	26852..27736, 27934..28112, 28194..28443, 28620..28814, 28890..29001, 29152..29256, 29329..29774		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6691717 dbj BAA89397.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72145	Strand	-
Start	37	End	4070
Name	OJ990728_13.9920.C4.o1.gs	Method	GENSCAN
Start	37	End	4070
GI	none	Score	.98
Exons	37..321, 1610..1693, 3651..3739, 3870..4070		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72146	Strand	-
Start	5090	End	11602
Name	OJ990728_13.9920.C4.o2.gp	Method	AAT/GAP
Start	5090	End	9742
GI	12863_1.R1084	Score	2310
Exons	5090..5323, 5881..5993, 6406..6501, 7603..7719, 8128..8226, 8499..8630, 8726..8901, 9023..9197, 9331..9419, 9676..9742		
GI Descrip.	'3540183 1.0e-115 (AC004122) Highly Similar to branched-chain amino acid aminotransferase [Arabidopsis thaliana]'		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72146	Strand	-
Start	5090	End	11602
Name	OJ990728_13.9920.C4.o2.gs	Method	GENSCAN
Start	5203	End	11602
GI	none	Score	.49
Exons	5203..5323, 5881..5993, 6406..6501, 7603..7719, 8128..8226,		

8499..8611, 9088..9197, 9331..9419, 9676..10071, 10155..10194,
11595..11602

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72146	Strand	-
Start	5090	End	11602
Name	OJ990728_13.9920.C4.o1.np	Method	AAT/NAP
Start	5206	End	9305
GI	6319167	Score	1145
Exons	5206..5323, 5881..5993, 6406..6501, 7603..7719, 8128..8226, 8499..8630, 8726..8901, 9023..9305		
GI Descrip.	(AF193846) branched-chain amino acid aminotransferase [Solanum tuberosum]		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72147	Strand	-
Start	16875	End	19924
Name	OJ990728_13.9920.C4.o5.np	Method	AAT/NAP
Start	16834	End	19924
GI	5902445	Score	2998
Exons	16834..19924		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72147	Strand	-
Start	16875	End	19924
Name	OJ990728_13.9920.C4.o4.gs	Method	GENSCAN
Start	16875	End	19924
GI	none	Score	.53
Exons	16875..17109, 17138..17329, 17441..18295, 18307..19085, 19172..19924		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72148	Strand	-
Start	19988	End	24480
Name	OJ990728_13.9920.C4.o5.gs	Method	GENSCAN
Start	19988	End	20653
GI	none	Score	1
Exons	19988..20653		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72148	Strand	-
Start	19988	End	24480
Name	OJ990728_13.9920.C4.o6.np	Method	AAT/NAP
Start	19991	End	24480
GI	5902444	Score	1070
Exons	19991..21649, 21977..22113; 24435..24480		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72148	Strand	-
Start	19988	End	24480
Name	OJ990728_13.9920.C4.o6.gs	Method	GENSCAN
Start	20711	End	21966
GI	none	Score	.64
Exons	20711..21405, 21576..21966		

Seq. No. 34922
 Gene No. 72148
 Start 19988
 Name OJ990728_13.9920.C4.o7.gs
 Start 22219
 GI none
 Exons 22219..23184

Seq. ID OJ990728_13.9920.C4
 Strand -
 End 24480
 Method GENSCAN
 End 23184
 Score .99

Seq. No. 34922
 Gene No. 72149
 Start 30093
 Name OJ990728_13.9920.C4.o1.tm
 Start 5183
 GI none
 Exons 5183..5311, 5203..5310, 5880..5996, 5881..6000, 5883..5999, 6403..6498, 6404..6499, 6404..6502, 7601..7726, 7602..7721, 7612..7728, 8107..8244, 8125..8226, 8126..8227, 8497..8628, 8499..8630, 8707..8856, 8723..8857, 8723..8860, 8727..8873, 8864..8905, 8866..8913, 9018..9191, 9022..9195, 9026..9202, 9027..9191, 9340..9420, 9351..9425

Seq. ID OJ990728_13.9920.C4
 Strand -
 End 34754
 Method TBLASTX:Maize
 End 9425
 Score 129

Seq. No. 34922
 Gene No. 72149
 Start 30093
 Name OJ990728_13.9920.C4.o1.ts
 Start 5880
 GI none
 Exons 5880..5996, 5893..5943, 6365..6493, 6403..6504, 6404..6502, 7602..7715, 7602..7709, 7604..7726, 7612..7728, 8070..8183, 8110..8244, 8126..8227, 8493..8624, 8497..8631, 8499..8630, 8543..8638, 8581..8631, 8707..8799, 8722..8811, 8723..8860, 8724..8858, 8872..8913, 8876..8902, 9026..9202, 9027..9188

Seq. ID OJ990728_13.9920.C4
 Strand -
 End 34754
 Method TBLASTX:Soybean
 End 9202
 Score 81

Seq. No. 34922
 Gene No. 72149
 Start 30093
 Name OJ990728_13.9920.C4.o1.tc
 Start 8143
 GI none
 Exons 8143..8244, 8479..8631, 8499..8630, 8723..8887, 8724..8855, 8872..8913, 9006..9182, 9026..9181

Seq. ID OJ990728_13.9920.C4
 Strand -
 End 34754
 Method TBLASTX:Cress
 End 9182
 Score 151

Seq. No. 34922
 Gene No. 72149
 Start 30093
 Name OJ990728_13.9920.C4.o3.tw
 Start 16843
 GI none
 Exons 16843..16974, 16856..16969, 16999..17451, 17195..17302, 30105..30242, 30228..30719, 30457..30558, 30610..30699

Seq. ID OJ990728_13.9920.C4
 Strand -
 End 34754
 Method TBLASTX:Wheat
 End 30719
 Score 56

Seq. No. 34922
 Gene No. 72149
 Start 30093
 Name OJ990728_13.9920.C4.o6.tm
 Start 16879
 GI none

Seq. ID OJ990728_13.9920.C4
 Strand -
 End 34754
 Method TBLASTX:Maize
 End 30377
 Score 104

Exons 16879..16962, 16963..17127, 30142..30246, 30144..30245,
30225..30377

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o4.tw	Method	TBLASTX:Wheat
Start	17575	End	31221
GI	none	Score	178
Exons	17575..17958, 17576..17950, 30834..31025, 30834..31220, 30910..31221		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o2.tm	Method	TBLASTX:Maize
Start	17653	End	31227
GI	none	Score	136
Exons	17653..17958, 17654..17872, 30864..30911, 30865..30912, 30892..31206, 30903..31226, 30916..31227		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o8.tm	Method	TBLASTX:Maize
Start	18219	End	31709
GI	none	Score	193
Exons	18219..18380, 18438..18461, 31455..31709		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o5.tw	Method	TBLASTX:Wheat
Start	18303	End	31961
GI	none	Score	71
Exons	18303..18587, 18607..18711, 18615..18716, 31539..31961, 31549..31953		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o3.ts	Method	TBLASTX:Soybean
Start	18336	End	31970
GI	none	Score	157
Exons	18336..18584, 18594..18719, 31582..31962, 31584..31826, 31866..31970		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o7.tw	Method	TBLASTX:Wheat
Start	18718	End	32247
GI	none	Score	63
Exons	18718..18858, 18720..18911, 18789..18908, 18915..18983, 18916..18984, 31961..32059, 31965..32246, 31977..32111, 32170..32247		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o4.tm	Method	TBLASTX:Maize
Start	18918	End	32529
GI	none	Score	90
Exons	18918..18992, 19011..19100, 19100..19261, 19113..19262, 32085..32111, 32109..32252, 32122..32253, 32274..32528, 32275..32529		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o2.ts	Method	TBLASTX:Soybean
Start	18933	End	32597
GI	none	Score	86
Exons	18933..19100, 19100..19354, 19170..19295, 32196..32597, 32227..32400, 32437..32580		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o2.tw	Method	TBLASTX:Wheat
Start	18990	End	32675
GI	none	Score	46
Exons	18990..19100, 19023..19100, 19083..19298, 19094..19408, 19100..19408, 32251..32631, 32251..32610, 32256..32675		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o7.tm	Method	TBLASTX:Maize
Start	19262	End	32756
GI	none	Score	167
Exons	19262..19489, 32529..32756		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o3.tm	Method	TBLASTX:Maize
Start	19493	End	33116
GI	none	Score	205
Exons	19493..19849, 19494..19787, 19547..19795, 32760..33116, 32770..33075		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o1.tw	Method	TBLASTX:Wheat
Start	19524	End	33246
GI	none	Score	334
Exons	19524..19979, 19535..19978, 32790..33245, 32791..33246		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o4.ts	Method	TBLASTX:Soybean

Start	19574	End	33206
GI	none	Score	135
Exons	19574..19708, 19715..19939, 32841..32975, 32982..33206		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o6.tw	Method	TBLASTX:Wheat
Start	20171	End	33923
GI	none	Score	155
Exons	20171..20407, 20181..20405, 20444..20626, 20517..20618, 33466..33702, 33468..33698, 33747..33923		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o8.tw	Method	TBLASTX:Wheat
Start	21257	End	21649
GI	none	Score	83
Exons	21257..21532, 21258..21452, 21491..21604, 21543..21593, 21605..21649		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o9.tm	Method	TBLASTX:Maize
Start	21371	End	21610
GI	none	Score	190
Exons	21371..21610		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o5.tm	Method	TBLASTX:Maize
Start	24283	End	24826
GI	none	Score	43
Exons	24283..24327, 24383..24457, 24415..24492, 24434..24490, 24436..24495, 24575..24673, 24602..24673, 24737..24826, 24738..24824, 24745..24825		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o9.tw	Method	TBLASTX:Wheat
Start	26972	End	27262
GI	none	Score	213
Exons	26972..27262, 27119..27241		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o9.gs	Method	GENSCAN
Start	30093	End	34438
GI	none	Score	.69
Exons	30093..33174, 33271..34438		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
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Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o10.np	Method	AAT/NAP
Start	30129	End	34754
GI	5922631	Score	5309
Exons	30129..32656, 33263..34186, 34313..34754		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativa]		
	gi 6016864 dbj BAA85207.1 (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinfu1-1. (AF049110) [Oryza sativ		

Seq. No.	34922	Seq. ID	OJ990728_13.9920.C4
Gene No.	72149	Strand	-
Start	30093	End	34754
Name	OJ990728_13.9920.C4.o10.tw	Method	TBLASTX:Wheat
Start	31224	End	31523
GI	none	Score	130
Exons	31224..31364, 31389..31523		

Seq. No.	34923	Seq. ID	OJ990618_13.9924.C3
Gene No.	72150	Strand	-
Start	1	End	498
Name	OJ990618_13.9924.C3.o1.np	Method	AAT/NAP
Start	1	End	498
GI	5123711	Score	410
Exons	1..498		
GI Descrip.	(AL079347) putative protein [Arabidopsis thaliana]		

Seq. No.	34923	Seq. ID	OJ990618_13.9924.C3
Gene No.	72150	Strand	-
Start	1	End	498
Name	OJ990618_13.9924.C3.o1.gs	Method	GENSCAN
Start	60	End	398
GI	none	Score	.99
Exons	60..398		

Seq. No.	34923	Seq. ID	OJ990618_13.9924.C3
Gene No.	72150	Strand	-
Start	1	End	498
Name	OJ990618_13.9924.C3.o1.ts	Method	TBLASTX:Soybean
Start	128	End	496
GI	none	Score	117
Exons	128..355, 129..251, 170..295, 281..496, 399..491		

Seq. No.	34923	Seq. ID	OJ990618_13.9924.C3
Gene No.	72150	Strand	-
Start	1	End	498
Name	OJ990618_13.9924.C3.o1.tc	Method	TBLASTX:Cress
Start	161	End	496
GI	none	Score	316
Exons	161..496		

Seq. No.	34923	Seq. ID	OJ990618_13.9924.C3
Gene No.	72150	Strand	-

Start	1	End	498
Name	OJ990618_13.9924.C3.o1.tm	Method	TBLASTX:Maize
Start	239	End	496
GI	none	Score	93
Exons	239..379, 239..496, 399..491		

Seq. No.	34924	Seq. ID	OJ990618_13.9924.C5
Gene No.	72151	Strand	+
Start	187	End	1849
Name	OJ990618_13.9924.C5.o1.gs	Method	GENSCAN
Start	187	End	1849
GI	none	Score	.67
Exons	187..357, 419..541, 605..629, 728..865, 1665..1849		

Seq. No.	34924	Seq. ID	OJ990618_13.9924.C5
Gene No.	72152	Strand	-
Start	4259	End	4543
Name	OJ990618_13.9924.C5.o2.gs	Method	GENSCAN
Start	4259	End	4543
GI	none	Score	.95
Exons	4259..4543		

Seq. No.	34924	Seq. ID	OJ990618_13.9924.C5
Gene No.	72153	Strand	-
Start	5457	End	5691
Name	OJ990618_13.9924.C5.o3.gs	Method	GENSCAN
Start	5457	End	5691
GI	none	Score	.69
Exons	5457..5588, 5593..5691		

Seq. No.	34925	Seq. ID	OJ990618_13.9924.C6
Gene No.	72154	Strand	+
Start	5215	End	11415
Name	OJ990618_13.9924.C6.o3.gs	Method	GENSCAN
Start	5215	End	9999
GI	none	Score	.59
Exons	5215..5336, 6515..6536, 6884..7070, 9761..9999		

Seq. No.	34925	Seq. ID	OJ990618_13.9924.C6
Gene No.	72154	Strand	+
Start	5215	End	11415
Name	OJ990618_13.9924.C6.o2.np	Method	AAT/NAP
Start	9735	End	11415
GI	6539588	Score	238
Exons	9735..10067, 11375..11415		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	34925	Seq. ID	OJ990618_13.9924.C6
Gene No.	72155	Strand	-
Start	437	End	3364
Name	OJ990618_13.9924.C6.o1.np	Method	AAT/NAP
Start	437	End	3300
GI	6689616	Score	312
Exons	437..456, 2668..3036, 3135..3300		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	34925	Seq. ID	OJ990618_13.9924.C6
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Gene No. 72155
 Start 437
 Name OJ990618_13.9924.C6.o2.gs
 Start 2588
 GI none
 Exons 2588..3036, 3135..3300

Strand -
 End 3364
 Method GENSCAN
 End 3300
 Score .96

Seq. No. 34925
 Gene No. 72155
 Start 437
 Name OJ990618_13.9924.C6.o2.gp
 Start 2739
 GI 25600_5.R1084
 Exons 2739..3036, 3135..3364
 GI Descrip. '4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'

Seq. ID OJ990618_13.9924.C6
 Strand -
 End 3364
 Method AAT/GAP
 End 3364
 Score 627

Seq. No. 34925
 Gene No. 72155
 Start 437
 Name OJ990618_13.9924.C6.o1.gp
 Start 2865
 GI 2431531
 Exons 2865..3036, 3135..3289

Seq. ID OJ990618_13.9924.C6
 Strand -
 End 3364
 Method AAT/GAP
 End 3289
 Score 439

Seq. No. 34925
 Gene No. 72156
 Start 8155
 Name OJ990618_13.9924.C6.o3.np
 Start 8155
 GI 6689616
 Exons 8155..8206, 9348..9382, 10378..10772, 10876..11041
 GI Descrip. (AJ012301) proline-rich protein [Zea mays]

Seq. ID OJ990618_13.9924.C6
 Strand -
 End 11065
 Method AAT/NAP
 End 11041
 Score 340

Seq. No. 34925
 Gene No. 72156
 Start 8155
 Name OJ990618_13.9924.C6.o4.gs
 Start 10264
 GI none
 Exons 10264..10772, 10876..11065

Seq. ID OJ990618_13.9924.C6
 Strand -
 End 11065
 Method GENSCAN
 End 11065
 Score .89

Seq. No. 34925
 Gene No. 72156
 Start 8155
 Name OJ990618_13.9924.C6.o3.gp
 Start 10601
 GI 2431531
 Exons 10601..10772, 10876..11025

Seq. ID OJ990618_13.9924.C6
 Strand -
 End 11065
 Method AAT/GAP
 End 11025
 Score 412

Seq. No. 34925
 Gene No. 72157
 Start 14156
 Name OJ990618_13.9924.C6.o1.tm
 Start 2726
 GI none
 Exons 2726..2755, 2730..2756, 2772..2798, 2822..2914, 2838..2915,

Seq. ID OJ990618_13.9924.C6
 Strand -
 End 15415
 Method TBLASTX:Maize
 End 10987
 Score 37

2930..3037, 2931..3038, 3133..3195, 3134..3187, 10441..10485,
10558..10650, 10559..10651, 10666..10773, 10667..10774,
10862..10936, 10874..10987

Seq. No.	34925	Seq. ID	OJ990618_13.9924.C6
Gene No.	72157	Strand	-
Start	14156	End	15415
Name	OJ990618_13.9924.C6.o1.tw	Method	TBLASTX:Wheat
Start	2813	End	10963
GI	none	Score	86
Exons	2813..2914, 2814..2915, 2930..3031, 2931..3029, 3133..3195, 3134..3187, 10549..10650, 10550..10651, 10666..10767, 10667..10765, 10874..10963, 10874..10936		

Seq. No.	34925	Seq. ID	OJ990618_13.9924.C6
Gene No.	72157	Strand	-
Start	14156	End	15415
Name	OJ990618_13.9924.C6.o4.gp	Method	AAT/GAP
Start	13411	End	13577
GI	6756_1.R1084	Score	240
Exons	13411..13577		

GI Descrip. '1351357/sp|P48502|UCR6_SOLTU 2.0e-24 UBIQUINOL-CYTOCHROME C
REDUCTASE COMPLEX 14 KD PROTEIN (CR14).>gi_633681_emb_CAA55863
(X79276) ubiquinol--cytochrome c reductase [Solanum tuberosum]'

Seq. No.	34925	Seq. ID	OJ990618_13.9924.C6
Gene No.	72157	Strand	-
Start	14156	End	15415
Name	OJ990618_13.9924.C6.o5.gs	Method	GENSCAN
Start	14156	End	15415
GI	none	Score	.48
Exons	14156..14350, 14820..14948, 15054..15415		

Seq. No.	34926	Seq. ID	OJ990618_13.9924.C7
Gene No.	72158	Strand	+
Start	930	End	1661
Name	OJ990618_13.9924.C7.o1.gs	Method	GENSCAN
Start	930	End	1661
GI	none	Score	.59
Exons	930..1124, 1550..1661		

Seq. No.	34927	Seq. ID	OJ990618_13.9924.C8
Gene No.	72159	Strand	+
Start	586	End	1654
Name	OJ990618_13.9924.C8.o1.gp	Method	AAT/GAP
Start	586	End	1422
GI	42941_1.R1084	Score	991
Exons	586..1050, 1376..1422		
GI Descrip.	'2980778/emb CAA18205.1 1.0e-09 (AL022198) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	34927	Seq. ID	OJ990618_13.9924.C8
Gene No.	72159	Strand	+
Start	586	End	1654
Name	OJ990618_13.9924.C8.o1.gs	Method	GENSCAN
Start	620	End	1654
GI	none	Score	.79

Exons	620..935, 981..1050, 1337..1461, 1650..1654		
Seq. No.	34927	Seq. ID	OJ990618_13.9924.C8
Gene No.	72160	Strand	-
Start	2713	End	4702
Name	OJ990618_13.9924.C8.o5.tm	Method	TBLASTX:Maize
Start	567	End	946
GI	none	Score	45
Exons	567..698, 620..697, 706..807, 710..835, 818..946, 827..943		

Seq. No.	34927	Seq. ID	OJ990618_13.9924.C8
Gene No.	72160	Strand	-
Start	2713	End	4702
Name	OJ990618_13.9924.C8.o1.ts	Method	TBLASTX:Soybean
Start	2701	End	3165
GI	none	Score	81
Exons	2701..2919, 2718..2918, 2718..2921, 2731..2925, 2920..3165, 2927..3028		

Seq. No.	34927	Seq. ID	OJ990618_13.9924.C8
Gene No.	72160	Strand	-
Start	2713	End	4702
Name	OJ990618_13.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	2707	End	2982
GI	none	Score	197
Exons	2707..2982, 2708..2977		

Seq. No.	34927	Seq. ID	OJ990618_13.9924.C8
Gene No.	72160	Strand	-
Start	2713	End	4702
Name	OJ990618_13.9924.C8.o1.np	Method	AAT/NAP
Start	2713	End	4701
GI	5123711	Score	1346
Exons	2713..4287, 4336..4701		
GI Descrip.	(AL079347) putative protein [Arabidopsis thaliana]		

Seq. No.	34927	Seq. ID	OJ990618_13.9924.C8
Gene No.	72160	Strand	-
Start	2713	End	4702
Name	OJ990618_13.9924.C8.o2.tc	Method	TBLASTX:Cress
Start	2935	End	3490
GI	none	Score	87
Exons	2935..3321, 3260..3490		

Seq. No.	34927	Seq. ID	OJ990618_13.9924.C8
Gene No.	72160	Strand	-
Start	2713	End	4702
Name	OJ990618_13.9924.C8.o6.tm	Method	TBLASTX:Maize
Start	2986	End	3144
GI	none	Score	74
Exons	2986..3144, 2987..3139		

Seq. No.	34927	Seq. ID	OJ990618_13.9924.C8
Gene No.	72160	Strand	-
Start	2713	End	4702
Name	OJ990618_13.9924.C8.o2.tm	Method	TBLASTX:Maize
Start	3163	End	3487

GI	none	Score	260
Exons	3163..3477, 3163..3414, 3168..3446, 3170..3451, 3227..3487		

Seq. No.	34927	Seq. ID	OJ990618_13.9924.C8
Gene No.	72160	Strand	-
Start	2713	End	4702
Name	OJ990618_13.9924.C8.o2.ts	Method	TBLASTX:Soybean
Start	3856	End	4702
GI	none	Score	117
Exons	3856..4083, 3857..3979, 3898..4023, 4009..4272, 4187..4273, 4333..4440, 4613..4702, 4639..4689		

Seq. No.	34927	Seq. ID	OJ990618_13.9924.C8
Gene No.	72160	Strand	-
Start	2713	End	4702
Name	OJ990618_13.9924.C8.o1.tc	Method	TBLASTX:Cress
Start	3889	End	4257
GI	none	Score	293
Exons	3889..4257		

Seq. No.	34927	Seq. ID	OJ990618_13.9924.C8
Gene No.	72160	Strand	-
Start	2713	End	4702
Name	OJ990618_13.9924.C8.o3.tm	Method	TBLASTX:Maize
Start	3967	End	4383
GI	none	Score	93
Exons	3967..4107, 3967..4257, 4199..4261, 4336..4383		

Seq. No.	34927	Seq. ID	OJ990618_13.9924.C8
Gene No.	72161	Strand	-
Start	9443	End	9719
Name	OJ990618_13.9924.C8.o4.tm	Method	TBLASTX:Maize
Start	9443	End	9719
GI	none	Score	60
Exons	9443..9640, 9465..9719, 9468..9662		

Seq. No.	34928	Seq. ID	OJ990618_13.9924.C9
Gene No.	72162	Strand	+
Start	84	End	3304
Name	OJ990618_13.9924.C9.o1.gs	Method	GENSCAN
Start	84	End	1696
GI	none	Score	.51
Exons	84..254, 365..437, 566..710, 953..973, 1087..1285, 1622..1696		

Seq. No.	34928	Seq. ID	OJ990618_13.9924.C9
Gene No.	72162	Strand	+
Start	84	End	3304
Name	OJ990618_13.9924.C9.o1.np	Method	AAT/NAP
Start	306	End	383
GI	6630699	Score	74
Exons	306..383		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	34928	Seq. ID	OJ990618_13.9924.C9
Gene No.	72162	Strand	+

Start	84	End	3304
Name	OJ990618_13.9924.C9.o2.np	Method	AAT/NAP
Start	520	End	3304
GI	6539570	Score	180
Exons	520..714, 907..972, 2270..2459, 3198..3304		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	34928	Seq. ID	OJ990618_13.9924.C9
Gene No.	72162	Strand	+
Start	84	End	3304
Name	OJ990618_13.9924.C9.o1.gp	Method	AAT/GAP
Start	1995	End	2582
GI	none	Score	1051
Exons	1995..2582		

Seq. No.	34928	Seq. ID	OJ990618_13.9924.C9
Gene No.	72163	Strand	+
Start	5239	End	8623
Name	OJ990618_13.9924.C9.o3.gs	Method	GENSCAN
Start	5239	End	8623
GI	none	Score	.93
Exons	5239..5403, 6377..6559, 6638..6850, 7580..7754, 8595..8623		

Seq. No.	34928	Seq. ID	OJ990618_13.9924.C9
Gene No.	72164	Strand	-
Start	2222	End	3327
Name	OJ990618_13.9924.C9.o2.gs	Method	GENSCAN
Start	2222	End	3327
GI	none	Score	1
Exons	2222..2862, 3153..3327		

Seq. No.	34928	Seq. ID	OJ990618_13.9924.C9
Gene No.	72164	Strand	-
Start	2222	End	3327
Name	OJ990618_13.9924.C9.o3.np	Method	AAT/NAP
Start	2399	End	3318
GI	6689616	Score	352
Exons	2399..2862, 3153..3318		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	34928	Seq. ID	OJ990618_13.9924.C9
Gene No.	72165	Strand	-
Start	10359	End	13242
Name	OJ990618_13.9924.C9.o2.gp	Method	AAT/GAP
Start	9905	End	10599
GI	3548940	Score	917
Exons	9905..10599		

Seq. No.	34928	Seq. ID	OJ990618_13.9924.C9
Gene No.	72165	Strand	-
Start	10359	End	13242
Name	OJ990618_13.9924.C9.o4.gs	Method	GENSCAN
Start	10359	End	13242
GI	none	Score	.44
Exons	10359..10471, 10494..10799, 10910..11064, 11141..11269, 11381..11545, 12886..13147, 13194..13242		

Seq. No.	34928	Seq. ID	OJ990618_13.9924.C9
Gene No.	72166	Strand	-
Start	17223	End	18199
Name	OJ990618_13.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	2357	End	2864
GI	none	Score	83
Exons	2357..2380, 2387..2458, 2549..2629, 2559..2630, 2657..2722, 2658..2717, 2768..2863, 2769..2864		

Seq. No.	34928	Seq. ID	OJ990618_13.9924.C9
Gene No.	72166	Strand	-
Start	17223	End	18199
Name	OJ990618_13.9924.C9.o5.gs	Method	GENSCAN
Start	17223	End	18191
GI	none	Score	.62
Exons	17223..17909, 18022..18053, 18101..18191		

Seq. No.	34928	Seq. ID	OJ990618_13.9924.C9
Gene No.	72166	Strand	-
Start	17223	End	18199
Name	OJ990618_13.9924.C9.o4.np	Method	AAT/NAP
Start	17226	End	18199
GI	6587835	Score	580
Exons	17226..17960, 18125..18199		
GI Descrip.	(AC006551) Similar to peptide transporter [Arabidopsis thaliana]		

Seq. No.	34928	Seq. ID	OJ990618_13.9924.C9
Gene No.	72166	Strand	-
Start	17223	End	18199
Name	OJ990618_13.9924.C9.o1.ts	Method	TBLASTX:Soybean
Start	17311	End	17969
GI	none	Score	48
Exons	17311..17367, 17328..17375, 17382..17615, 17427..17558, 17688..17816, 17692..17832, 17868..17969		

Seq. No.	34928	Seq. ID	OJ990618_13.9924.C9
Gene No.	72166	Strand	-
Start	17223	End	18199
Name	OJ990618_13.9924.C9.o1.tw	Method	TBLASTX:Wheat
Start	17311	End	17561
GI	none	Score	69
Exons	17311..17379, 17328..17384, 17370..17561, 17427..17558		

Seq. No.	34928	Seq. ID	OJ990618_13.9924.C9
Gene No.	72166	Strand	-
Start	17223	End	18199
Name	OJ990618_13.9924.C9.o1.tc	Method	TBLASTX:Cress
Start	17364	End	17969
GI	none	Score	88
Exons	17364..17597, 17688..17783, 17871..17969		

Seq. No.	34928	Seq. ID	OJ990618_13.9924.C9
Gene No.	72166	Strand	-
Start	17223	End	18199
Name	OJ990618_13.9924.C9.o2.tm	Method	TBLASTX:Maize
Start	17364	End	17969
GI	none	Score	74

Exons 17364..17588, 17683..17832, 17688..17804, 17871..17969,
17907..17957

Seq. No.	34929	Seq. ID	OJ990618_13.9924.C10
Gene No.	72167	Strand	-
Start	1	End	462
Name	OJ990618_13.9924.C10.o1.np	Method	AAT/NAP
Start	1	End	462
GI	6587832	Score	159
Exons	1..244, 339..462		
GI Descrip.	(AC006551) Similar to LeOPT1 [Lycopersicon esculentum] [Arabidopsis thaliana]		

Seq. No.	34930	Seq. ID	OJ990618_13.9924.C11
Gene No.	72168	Strand	+
Start	4932	End	4990
Name	OJ990618_13.9924.C11.o1.gp	Method	AAT/GAP
Start	4932	End	4990
GI	2312838	Score	73
Exons	4932..4990		
GI Descrip.	1420932/gb U61383 ORU61383.7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	34930	Seq. ID	OJ990618_13.9924.C11
Gene No.	72169	Strand	-
Start	1	End	3738
Name	OJ990618_13.9924.C11.o2.np	Method	AAT/NAP
Start	1	End	3738
GI	6689616	Score	370
Exons	1..71, 2091..2469, 2503..2876, 3573..3738		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	34930	Seq. ID	OJ990618_13.9924.C11
Gene No.	72169	Strand	-
Start	1	End	3738
Name	OJ990618_13.9924.C11.o1.gs	Method	GENSCAN
Start	512	End	691
GI	none	Score	.99
Exons	512..691		

Seq. No.	34930	Seq. ID	OJ990618_13.9924.C11
Gene No.	72169	Strand	-
Start	1	End	3738
Name	OJ990618_13.9924.C11.o1.np	Method	AAT/NAP
Start	1458	End	2539
GI	4584539	Score	197
Exons	1458..1521, 2086..2539		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	34930	Seq. ID	OJ990618_13.9924.C11
Gene No.	72169	Strand	-
Start	1	End	3738
Name	OJ990618_13.9924.C11.o2.gs	Method	GENSCAN
Start	2073	End	3732
GI	none	Score	.66
Exons	2073..2700, 2714..2876, 3573..3732		

Seq. No.	34930	Seq. ID	OJ990618_13.9924.C11
Gene No.	72170	Strand	-
Start	5699	End	7346
Name	OJ990618_13.9924.C11.o1.tm	Method	TBLASTX:Maize
Start	2131	End	2881
GI	none	Score	62
Exons	2131..2223, 2144..2224, 2263..2334, 2266..2316, 2268..2303, 2378..2440, 2387..2461, 2417..2437, 2497..2535, 2509..2535, 2510..2542, 2618..2659, 2620..2658, 2674..2844, 2675..2767, 2749..2790, 2836..2868, 2849..2881		

Seq. No.	34930	Seq. ID	OJ990618_13.9924.C11
Gene No.	72170	Strand	-
Start	5699	End	7346
Name	OJ990618_13.9924.C11.o1.tw	Method	TBLASTX:Wheat
Start	2654	End	3624
GI	none	Score	100
Exons	2654..2767, 2674..2835, 2746..2796, 2848..2871, 2849..2872, 3571..3624		

Seq. No.	34930	Seq. ID	OJ990618_13.9924.C11
Gene No.	72170	Strand	-
Start	5699	End	7346
Name	OJ990618_13.9924.C11.o3.np	Method	AAT/NAP
Start	4075	End	7346
GI	6164721	Score	98
Exons	4075..4108, 5754..5998, 6181..6291, 7307..7346		
GI Descrip.	(AF174589) F-box protein Fbl2 [Homo sapiens]		

Seq. No.	34930	Seq. ID	OJ990618_13.9924.C11
Gene No.	72170	Strand	-
Start	5699	End	7346
Name	OJ990618_13.9924.C11.o3.gs	Method	GENSCAN
Start	5699	End	6696
GI	none	Score	.75
Exons	5699..5998, 6181..6331, 6620..6696		

Seq. No.	34931	Seq. ID	OJ990618_13.9924.C12
Gene No.	72171	Strand	-
Start	331	End	354
Name	OJ990618_13.9924.C12.o2.np	Method	AAT/NAP
Start	331	End	354
GI	2191178	Score	18
Exons	331..354		
GI Descrip.	(AF007270) contains similarity to MIPP proteins [Arabidopsis thaliana]		

Seq. No.	34931	Seq. ID	OJ990618_13.9924.C12
Gene No.	72172	Strand	-
Start	372	End	8039
Name	OJ990618_13.9924.C12.o1.gs	Method	GENSCAN
Start	372	End	8022
GI	none	Score	.67
Exons	372..557, 3052..3461, 3828..4085, 4344..4667, 4937..5290, 6574..6712, 6801..6865, 7168..8022		

Seq. No.	34931	Seq. ID	OJ990618_13.9924.C12
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Gene No.	72172	Strand	-
Start	372	End	8039
Name	OJ990618_13.9924.C12.o1.gp	Method	AAT/GAP
Start	579	End	1018
GI	uC-osroM202022d09b1	Score	860
Exons	579..1018		
GI Descrip.	'1420932/gb U61383 ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	34931	Seq. ID	OJ990618_13.9924.C12
Gene No.	72172	Strand	-
Start	372	End	8039
Name	OJ990618_13.9924.C12.o1.np	Method	AAT/NAP
Start	1655	End	3985
GI	4432860	Score	93
Exons	1655..1673, 3025..3142, 3818..3985		
GI Descrip.	(AC006300) putative glucose regulated repressor protein [Arabidopsis thaliana]		

Seq. No.	34931	Seq. ID	OJ990618_13.9924.C12
Gene No.	72172	Strand	-
Start	372	End	8039
Name	OJ990618_13.9924.C12.o2.gp	Method	AAT/GAP
Start	2708	End	3276
GI	uC-osflcyp064c01b1	Score	830
Exons	2708..2761, 2786..3276		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	34931	Seq. ID	OJ990618_13.9924.C12
Gene No.	72172	Strand	-
Start	372	End	8039
Name	OJ990618_13.9924.C12.o3.np	Method	AAT/NAP
Start	6727	End	8039
GI	479357	Score	780
Exons	6727..8039		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi 22375 emb CAA44165 (X62251) ORF [Zea mays]		

Seq. No.	34931	Seq. ID	OJ990618_13.9924.C12
Gene No.	72172	Strand	-
Start	372	End	8039
Name	OJ990618_13.9924.C12.o2.tm	Method	TBLASTX:Maize
Start	6845	End	7099
GI	none	Score	167
Exons	6845..6904, 6911..7099		

Seq. No.	34931	Seq. ID	OJ990618_13.9924.C12
Gene No.	72172	Strand	-
Start	372	End	8039
Name	OJ990618_13.9924.C12.o1.tm	Method	TBLASTX:Maize
Start	7372	End	8001
GI	none	Score	57
Exons	7372..7647, 7438..7530, 7585..7647, 7657..7728, 7664..7729, 7718..7999, 7720..7998, 7762..8001		

Seq. No.	34932	Seq. ID	OJ990618_13.9924.C13
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Gene No.	72173	Strand	+
Start	6610	End	8443
Name	OJ990618_13.9924.C13.o3.gs	Method	GENSCAN
Start	6610	End	8443
GI	none	Score	.84
Exons	6610..6624, 7479..7560, 8106..8443		

Seq. No.	34932	Seq. ID	OJ990618_13.9924.C13
Gene No.	72174	Strand	-
Start	59	End	4746
Name	OJ990618_13.9924.C13.o1.gs	Method	GENSCAN
Start	59	End	2324
GI	none	Score	.4
Exons	59..520, 647..917, 1469..1666, 1775..1852, 2260..2324		

Seq. No.	34932	Seq. ID	OJ990618_13.9924.C13
Gene No.	72174	Strand	-
Start	59	End	4746
Name	OJ990618_13.9924.C13.o1.np	Method	AAT/NAP
Start	1815	End	4697
GI	6689616	Score	362
Exons	1815..1933, 3869..3958, 4013..4429, 4532..4697		
GI Descrip.	(AJ012301) proline-rich protein. [Zea mays]		

Seq. No.	34932	Seq. ID	OJ990618_13.9924.C13
Gene No.	72174	Strand	-
Start	59	End	4746
Name	OJ990618_13.9924.C13.o1.gp	Method	AAT/GAP
Start	3678	End	4221
GI	3763517	Score	971
Exons	3678..4221		

Seq. No.	34932	Seq. ID	OJ990618_13.9924.C13
Gene No.	72174	Strand	-
Start	59	End	4746
Name	OJ990618_13.9924.C13.o2.gs	Method	GENSCAN
Start	3921	End	4682
GI	none	Score	1
Exons	3921..4429, 4532..4682		

Seq. No.	34932	Seq. ID	OJ990618_13.9924.C13
Gene No.	72174	Strand	-
Start	59	End	4746
Name	OJ990618_13.9924.C13.o2.gp	Method	AAT/GAP
Start	4016	End	4746
GI	25600.5.R1084	Score	741
Exons	4016..4189, 4212..4429, 4532..4746		
GI Descrip.	'4176420/dbj BAA37167 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	34932	Seq. ID	OJ990618_13.9924.C13
Gene No.	72175	Strand	-
Start	10449	End	10722
Name	OJ990618_13.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	4098	End	4592
GI	none	Score	36
Exons	4098..4142, 4165..4191, 4204..4308, 4215..4307, 4323..4430,		

4324..4431, 4515..4592, 4531..4584

Seq. No.	34932	Seq. ID	OJ990618_13.9924.C13
Gene No.	72175	Strand	-
Start	10449	End	10722
Name	OJ990618_13.9924.C13.o1.tw	Method	TBLASTX:Wheat
Start	4203	End	4592
GI	none	Score	94
Exons	4203..4307, 4207..4308, 4323..4424, 4324..4422, 4403..4423, 4529..4570, 4530..4592, 4531..4584		

Seq. No.	34932	Seq. ID	OJ990618_13.9924.C13
Gene No.	72175	Strand	-
Start	10449	End	10722
Name	OJ990618_13.9924.C13.o4.gs	Method	GENSCAN
Start	10449	End	10722
GI	none	Score	.89
Exons	10449..10587, 10688..10722		

Seq. No.	34933	Seq. ID	OJ990618_13.9924.C14
Gene No.	72176	Strand	-
Start	1	End	2144
Name	OJ990618_13.9924.C14.o1.np	Method	AAT/NAP
Start	1	End	2144
GI	6689616	Score	354
Exons	1..25, 1455..1868, 1979..2144		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	34933	Seq. ID	OJ990618_13.9924.C14
Gene No.	72176	Strand	-
Start	1	End	2144
Name	OJ990618_13.9924.C14.o1.gs	Method	GENSCAN
Start	893	End	2144
GI	none	Score	.66
Exons	893..1063, 1106..1152, 1443..1689, 1703..1920, 1979..2144		

Seq. No.	34933	Seq. ID	OJ990618_13.9924.C14
Gene No.	72176	Strand	-
Start	1	End	2144
Name	OJ990618_13.9924.C14.o1.tm	Method	TBLASTX:Maize
Start	1537	End	2117
GI	none	Score	36
Exons	1537..1581, 1604..1630, 1643..1747, 1654..1746, 1762..1869, 1763..1870, 1977..2117, 1977..2039		

Seq. No.	34933	Seq. ID	OJ990618_13.9924.C14
Gene No.	72176	Strand	-
Start	1	End	2144
Name	OJ990618_13.9924.C14.o1.tw	Method	TBLASTX:Wheat
Start	1642	End	2039
GI	none	Score	90
Exons	1642..1746, 1646..1747, 1762..1863, 1763..1861, 1977..2039		

Seq. No.	34933	Seq. ID	OJ990618_13.9924.C14
Gene No.	72176	Strand	-
Start	1	End	2144
Name	OJ990618_13.9924.C14.o1.gp	Method	AAT/GAP

Start 1697
GI 2431531
Exons 1697..1868, 1979..2121

End 2121
Score 435

Seq. No. 34934
Gene No. 72177
Start 63
Name OJ990618_12.9921.C1.o1.tm
Start 63
GI none
Exons 63..131, 67..132, 409..552, 412..549, 414..554, 660..710, 663..710, 676..741, 715..837, 721..834, 723..839, 947..1027, 978..1028

Seq. ID OJ990618_12.9921.C1
Strand
End 1028
Method TBLASTX:Maize
End 1028
Score 95

Seq. No. 34934
Gene No. 72177
Start 63
Name OJ990618_12.9921.C1.o1.ts
Start 64
GI none
Exons 64..132, 409..552, 414..551, 675..743, 676..807, 684..809

Seq. ID OJ990618_12.9921.C1
Strand
End 1028
Method TBLASTX:Soybean
End 809
Score 68

Seq. No. 34935
Gene No. 72178
Start 1599
Name OJ990618_12.9921.C2.o1.tm
Start 1599
GI none
Exons 1599..1901, 1602..1895, 1787..1903, 2337..2513, 2358..2513, 2359..2514, 2754..2885, 2755..2886, 2757..2885, 3712..3858, 3718..3864, 3719..3865, 4421..4528, 4432..4527, 4438..4539, 4461..4556, 4494..4556, 4502..4594, 4548..4613

Seq. ID OJ990618_12.9921.C2
Strand
End 4613
Method TBLASTX:Maize
End 4613
Score 275

Seq. No. 34935
Gene No. 72178
Start 1599
Name OJ990618_12.9921.C2.o1.ts
Start 1620
GI none
Exons 1620..1895, 1623..1745, 1687..1896, 2358..2513, 2359..2514, 2757..2885, 2758..2886, 3706..3858, 3718..3858, 3719..3859, 4421..4528, 4432..4527, 4438..4539

Seq. ID OJ990618_12.9921.C2
Strand
End 4613
Method TBLASTX:Soybean
End 4539
Score 119

Seq. No. 34935
Gene No. 72178
Start 1599
Name OJ990618_12.9921.C2.o1.tc
Start 1641
GI none
Exons 1641..1742, 1641..1895, 1801..1896, 2358..2513, 2359..2514, 2360..2515, 2739..2882, 2755..2898, 2757..2885, 3718..3885, 3719..3886

Seq. ID OJ990618_12.9921.C2
Strand
End 4613
Method TBLASTX:Cress
End 3886
Score 66

Seq. No. 34935
Gene No. 72178
Start 1599
Name OJ990618_12.9921.C2.o1.tw
Seq. ID OJ990618_12.9921.C2
Strand
End 4613
Method TBLASTX:Wheat

Start	1665	End	2516
GI	none	Score	96
Exons	1665..1889, 1801..1890, 2350..2514, 2358..2513, 2361..2516		

Seq. No.	34935	Seq. ID	OJ990618_12.9921.C2
Gene No.	72178	Strand	
Start	1599	End	4613
Name	OJ990618_12.9921.C2.o2.tw	Method	TBLASTX:Wheat
Start	2845	End	4610
GI	none	Score	63
Exons	2845..2886, 2846..2887, 3712..3864, 3718..3864, 3719..3880, 4421..4528, 4432..4527, 4444..4536, 4500..4550, 4502..4549, 4566..4610		

Seq. No.	34935	Seq. ID	OJ990618_12.9921.C2
Gene No.	72179	Strand	
Start	6201	End	7062
Name	OJ990618_12.9921.C2.o2.tm	Method	TBLASTX:Maize
Start	6201	End	6726
GI	none	Score	100
Exons	6201..6269, 6203..6268, 6364..6435, 6439..6507, 6534..6608, 6535..6609, 6649..6726		

Seq. No.	34935	Seq. ID	OJ990618_12.9921.C2
Gene No.	72179	Strand	
Start	6201	End	7062
Name	OJ990618_12.9921.C2.o2.ts	Method	TBLASTX:Soybean
Start	6364	End	7005
GI	none	Score	73
Exons	6364..6429, 6439..6537, 6553..6606, 6649..6726, 6760..6828, 6862..7005		

Seq. No.	34935	Seq. ID	OJ990618_12.9921.C2
Gene No.	72179	Strand	
Start	6201	End	7062
Name	OJ990618_12.9921.C2.o2.tc	Method	TBLASTX:Cress
Start	6552	End	7053
GI	none	Score	70
Exons	6552..6599, 6553..6606, 6661..6726, 6760..6819, 6859..7053		

Seq. No.	34935	Seq. ID	OJ990618_12.9921.C2
Gene No.	72179	Strand	
Start	6201	End	7062
Name	OJ990618_12.9921.C2.o3.tm	Method	TBLASTX:Maize
Start	6789	End	7062
GI	none	Score	61
Exons	6789..6812, 6790..6822, 6835..7062, 6864..7052		

Seq. No.	34936	Seq. ID	OJ990618_12.9921.C3
Gene No.	72180	Strand	
Start	2256	End	2666
Name	OJ990618_12.9921.C3.o1.ts	Method	TBLASTX:Soybean
Start	2256	End	2666
GI	none	Score	66
Exons	2256..2459, 2487..2555, 2589..2666		

Seq. No.	34936	Seq. ID	OJ990618_12.9921.C3
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Gene No.	72180	Strand	
Start	2256	End	2666
Name	OJ990618_12.9921.C3.o1.tm	Method	TBLASTX:Maize
Start	2259	End	2525
GI	none	Score	168
Exons	2259..2504, 2269..2505, 2493..2525		
Seq. No.	34937	Seq. ID	OJ990618_12.9921.C6
Gene No.	72181	Strand	
Start	68	End	228
Name	OJ990618_12.9921.C6.o1.tm	Method	TBLASTX:Maize
Start	68	End	228
GI	none	Score	188
Exons	68..223, 70..228, 70..219		
Seq. No.	34938	Seq. ID	OJ990618_12.9921.C8
Gene No.	72182	Strand	-
Start	1	End	549
Name	OJ990618_12.9921.C8.o1.gp	Method	AAT/GAP
Start	1	End	549
GI	none	Score	670
Exons	1..210, 307..381, 465..549		
Seq. No.	34939	Seq. ID	OJ990618_12.9921.C12
Gene No.	72183	Strand	-
Start	364	End	659
Name	OJ990618_12.9921.C12.o1.gp	Method	AAT/GAP
Start	364	End	659
GI	754_1.R1084	Score	541
Exons	364..659		
GI Descrip.	'2267597 5.0e-46 (AF009413) 10 kDa chaperonin [Oryza sativa]'		
Seq. No.	34940	Seq. ID	OJ990618_12.9921.C13
Gene No.	72184	Strand	+
Start	164	End	374
Name	OJ990618_12.9921.C13.o1.gp	Method	AAT/GAP
Start	164	End	374
GI	754_1.R1084	Score	303
Exons	164..374		
GI Descrip.	'2267597 5.0e-46 (AF009413) 10 kDa chaperonin [Oryza sativa]'		
Seq. No.	34941	Seq. ID	OJ990618_12.9921.C16
Gene No.	72185	Strand	
Start	289	End	1354
Name	OJ990618_12.9921.C16.o1.tm	Method	TBLASTX:Maize
Start	289	End	1354
GI	none	Score	176
Exons	289..414, 292..411, 300..413, 450..590, 483..563, 484..564, 497..595, 805..864, 812..865, 813..878, 952..1068, 965..1069, 965..1084, 1209..1331, 1225..1332, 1226..1354, 1227..1334, 1232..1354		
Seq. No.	34941	Seq. ID	OJ990618_12.9921.C16
Gene No.	72185	Strand	
Start	289	End	1354
Name	OJ990618_12.9921.C16.o1.ts	Method	TBLASTX:Soybean
Start	289	End	590

GI	none	Score	135
Exons	289..414, 495..590		
Seq. No.	34942	Seq. ID	OJ990618_12.9921.C17
Gene No.	72186	Strand	+
Start	1402	End	2224
Name	OJ990618_12.9921.C17.o1.gp	Method	AAT/GAP
Start	1402	End	2224
GI	754_1.R1084	Score	518
Exons	1402..1594, 2107..2224		
GI Descrip.	'2267597 5.0e-46 (AF009413) 10 kDa chaperonin [Oryza sativa]'		

Seq. No.	34942	Seq. ID	OJ990618_12.9921.C17
Gene No.	72186	Strand	+
Start	1402	End	2224
Name	OJ990618_12.9921.C17.o1.tc	Method	TBLASTX:Cress
Start	1498	End	2220
GI	none	Score	94
Exons	1498..1587, 1505..1600, 2104..2220, 2106..2219		

Seq. No.	34943	Seq. ID	OJ990618_12.9921.C18
Gene No.	72187	Strand	-
Start	481	End	3945
Name	OJ990618_12.9921.C18.o1.gp	Method	AAT/GAP
Start	481	End	3945
GI	none	Score	1330
Exons	481..824, 912..971, 1435..1475, 2638..2671, 2752..2802, 3743..3945		

Seq. No.	34944	Seq. ID	OJ990618_12.9921.C20
Gene No.	72188	Strand	-
Start	1	End	247
Name	OJ990618_12.9921.C20.o1.gp	Method	AAT/GAP
Start	1	End	247
GI	none	Score	112
Exons	1..29, 83..116, 197..247		

Seq. No.	34945	Seq. ID	OJ990618_12.9921.C22
Gene No.	72189	Strand	
Start	16	End	280
Name	OJ990618_12.9921.C22.o1.tm	Method	TBLASTX:Maize
Start	16	End	280
GI	none	Score	358
Exons	16..276, 17..280, 200..280		

Seq. No.	34946	Seq. ID	OJ990618_12.9921.C23
Gene No.	72190	Strand	
Start	1363	End	2366
Name	OJ990618_12.9921.C23.o1.tm	Method	TBLASTX:Maize
Start	1363	End	2036
GI	none	Score	136
Exons	1363..1512, 1392..1511, 1482..1577, 1498..1575, 1633..1821, 1633..1662, 1635..1670, 1842..2036, 1865..1993		

Seq. No.	34946	Seq. ID	OJ990618_12.9921.C23
Gene No.	72190	Strand	
Start	1363	End	2366

Name	OJ990618_12.9921.C23.ol.tw	Method	TBLASTX:Wheat
Start	1363	End	1694
GI	none	Score	293
Exons	1363..1575, 1366..1404, 1386..1583, 1633..1686, 1635..1694		
Seq. No.	34946	Seq. ID	OJ990618_12.9921.C23
Gene No.	72190	Strand	
Start	1363	End	2366
Name	OJ990618_12.9921.C23.ol.tc	Method	TBLASTX:Cress
Start	1633	End	2120
GI	none	Score	112
Exons	1633..1803, 1863..1922, 1953..2036, 2048..2119, 2049..2120		
Seq. No.	34946	Seq. ID	OJ990618_12.9921.C23
Gene No.	72190	Strand	
Start	1363	End	2366
Name	OJ990618_12.9921.C23.ol.ts	Method	TBLASTX:Soybean
Start	1633	End	2363
GI	none	Score	112
Exons	1633..1803, 1869..1928, 1871..1963, 1932..2036, 2048..2134, 2049..2135, 2157..2363		
Seq. No.	34946	Seq. ID	OJ990618_12.9921.C23
Gene No.	72190	Strand	
Start	1363	End	2366
Name	OJ990618_12.9921.C23.o2.tm	Method	TBLASTX:Maize
Start	2096	End	2366
GI	none	Score	314
Exons	2096..2365, 2097..2366		
Seq. No.	34947	Seq. ID	OJ990618_12.9921.C25
Gene No.	72191	Strand	
Start	2563	End	3112
Name	OJ990618_12.9921.C25.ol.tm	Method	TBLASTX:Maize
Start	2563	End	3112
GI	none	Score	146
Exons	2563..2769, 2568..2840, 2577..2843, 2579..2842, 2959..3105, 2963..3103, 2969..3112, 2973..3104		
Seq. No.	34948	Seq. ID	OJ990618_12.9921.C29
Gene No.	72192	Strand	
Start	128	End	540
Name	OJ990618_12.9921.C29.ol.tm	Method	TBLASTX:Maize
Start	128	End	540
GI	none	Score	111
Exons	128..238, 129..242, 129..242, 337..540, 341..520, 345..527		
Seq. No.	34949	Seq. ID	OJ990618_12.9921.C31
Gene No.	72193	Strand	+
Start	1013	End	1240
Name	OJ990618_12.9921.C31.ol.gp	Method	AAT/GAP
Start	1013	End	1240
GI	56595_1.R1084	Score	448
Exons	1013..1240		
GI Descrip.	'4314378/gb AAD15588 2.0e-21 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1 AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		

Seq. No.	34950	Seq. ID	OJ990618_12.9921.C32
Gene No.	72194	Strand	-
Start	1	End	214
Name	OJ990618_12.9921.C32.ol.gp	Method	AAT/GAP
Start	1	End	214
GI	53758_1.R1084	Score	385
Exons	1..214		
GI Descrip.	'4314378/gb AAD15588 9.0e-13 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1_AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		

Seq. No.	34951	Seq. ID	OJ990618_12.9921.C34
Gene No.	72195	Strand	+
Start	2093	End	2351
Name	OJ990618_12.9921.C34.ol.tc	Method	TBLASTX:Cress
Start	1866	End	2348
GI	none	Score	48
Exons	1866..1913, 1992..2039, 2064..2348, 2132..2323		

Seq. No.	34951	Seq. ID	OJ990618_12.9921.C34
Gene No.	72195	Strand	+
Start	2093	End	2351
Name	OJ990618_12.9921.C34.ol.gp	Method	AAT/GAP
Start	2093	End	2351
GI	4969019	Score	466
Exons	2093..2351		
GI Descrip.	4454038/emb CAA23035.1 4.0e-29 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]		

Seq. No.	34952	Seq. ID	OJ990618_12.9921.C35
Gene No.	72196	Strand	-
Start	1312	End	1706
Name	OJ990618_12.9921.C35.ol.tc	Method	TBLASTX:Cress
Start	1312	End	1706
GI	none	Score	55
Exons	1312..1359, 1447..1482, 1533..1706, 1534..1704		

Seq. No.	34953	Seq. ID	OJ990618_12.9921.C36
Gene No.	72197	Strand	-
Start	625	End	1439
Name	OJ990618_12.9921.C36.ol.tm	Method	TBLASTX:Maize
Start	545	End	1439
GI	none	Score	170
Exons	545..730, 585..737, 609..728, 643..729, 761..1075, 799..951, 800..1081, 849..1076, 1234..1359, 1235..1417, 1235..1414, 1242..1436, 1272..1439		

Seq. No.	34953	Seq. ID	OJ990618_12.9921.C36
Gene No.	72197	Strand	-
Start	625	End	1439
Name	OJ990618_12.9921.C36.ol.gp	Method	AAT/GAP
Start	625	End	1294
GI	35649_1.R1084	Score	609
Exons	625..726, 803..1080, 1240..1294		
GI Descrip.	'4454038/emb CAA23035.1 4.0e-29 (AL035394) putative disease resistance response protein [Arabidopsis thaliana]'		

Seq. No.	34953	Seq. ID	OJ990618_12.9921.C36
Gene No.	72197	Strand	-
Start	625	End	1439
Name	OJ990618_12.9921.C36.o1.ts	Method	TBLASTX:Soybean
Start	832	End	1427
GI	none	Score	71
Exons	832..1002, 833..934, 833..1075, 852..1070, 985..1071, 1241..1414, 1254..1427, 1259..1417		

Seq. No.	34954	Seq. ID	OJ990618_12.9921.C39
Gene No.	72198	Strand	+
Start	68	End	384
Name	OJ990618_12.9921.C39.o1.gp	Method	AAT/GAP
Start	68	End	384
GI	4878407	Score	463
Exons	68..384		
GI Descrip.	6069643/dbj AP000616.1 AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	34955	Seq. ID	OJ990618_12.9921.C41
Gene No.	72199	Strand	-
Start	1	End	156
Name	OJ990618_12.9921.C41.o1.gp	Method	AAT/GAP
Start	1	End	156
GI	4107143	Score	210
Exons	1..156		
GI Descrip.	5803242/dbj AP000399.1 AP000399 7.0e-30 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	34956	Seq. ID	OJ990618_12.9921.C44
Gene No.	72200	Strand	-
Start	2526	End	3238
Name	OJ990618_12.9921.C44.o1.gp	Method	AAT/GAP
Start	2526	End	3238
GI	none	Score	837
Exons	2526..2760, 2857..2931, 3015..3094, 3162..3238		

Seq. No.	34957	Seq. ID	OJ990618_12.9921.C45
Gene No.	72201	Strand	-
Start	144	End	1173
Name	OJ990618_12.9921.C45.o2.tm	Method	TBLASTX:Maize
Start	144	End	1173
GI	none	Score	59
Exons	144..260, 273..431, 274..393, 463..606, 464..571, 955..1014, 1108..1173		

Seq. No.	34957	Seq. ID	OJ990618_12.9921.C45
Gene No.	72202	Strand	-
Start	1619	End	2064
Name	OJ990618_12.9921.C45.o1.tm	Method	TBLASTX:Maize
Start	1619	End	2064
GI	none	Score	66
Exons	1619..1813, 1669..1824, 1921..2064		

Seq. No.	34958	Seq. ID	OJ990618_12.9921.C47
Gene No.	72203	Strand	-

Start	809	End	1279
Name	OJ990618_12.9921.C47.o1.tm	Method	TBLASTX:Maize
Start	809	End	1127
GI	none	Score	67
Exons	809..910, 812..874, 854..1126, 981..1127		
Seq. No.	34958	Seq. ID	OJ990618_12.9921.C47
Gene No.	72203	Strand	
Start	809	End	1279
Name	OJ990618_12.9921.C47.o1.tc	Method	TBLASTX:Cress
Start	818	End	1114
GI	none	Score	103
Exons	818..1114, 978..1100		
Seq. No.	34958	Seq. ID	OJ990618_12.9921.C47
Gene No.	72203	Strand	
Start	809	End	1279
Name	OJ990618_12.9921.C47.o1.ts	Method	TBLASTX:Soybean
Start	893	End	1279
GI	none	Score	65
Exons	893..1114, 984..1094, 1100..1279		
Seq. No.	34958	Seq. ID	OJ990618_12.9921.C47
Gene No.	72204	Strand	
Start	1194	End	1477
Name	OJ990618_12.9921.C47.o2.tm	Method	TBLASTX:Maize
Start	1194	End	1477
GI	none	Score	201
Exons	1194..1352, 1196..1375, 1202..1357, 1349..1477, 1350..1475		
Seq. No.	34959	Seq. ID	OJ990618_12.9921.C48
Gene No.	72205	Strand	
Start	471	End	736
Name	OJ990618_12.9921.C48.o1.tm	Method	TBLASTX:Maize
Start	471	End	736
GI	none	Score	168
Exons	471..638, 491..736, 496..717		
Seq. No.	34959	Seq. ID	OJ990618_12.9921.C48
Gene No.	72206	Strand	
Start	1004	End	1438
Name	OJ990618_12.9921.C48.o2.tm	Method	TBLASTX:Maize
Start	1004	End	1342
GI	none	Score	57
Exons	1004..1228, 1020..1229, 1247..1342		
Seq. No.	34959	Seq. ID	OJ990618_12.9921.C48
Gene No.	72206	Strand	
Start	1004	End	1438
Name	OJ990618_12.9921.C48.o1.tc	Method	TBLASTX:Cress
Start	1109	End	1438
GI	none	Score	162
Exons	1109..1336, 1110..1337, 1299..1418, 1334..1435, 1334..1438		
Seq. No.	34960	Seq. ID	OJ990618_12.9921.C49
Gene No.	72207	Strand	-
Start	1150	End	3587

Name OJ990618_12.9921.C49.ol.gp Method AAT/GAP
 Start 1150 End 3587
 GI 11881.1.R1084 Score 1466
 Exons 1150..1215, 1386..1676, 1999..2181, 2354..2453, 3213..3310, 3406..3587
 GI Descrip. '2791806 2.0e-51 (AF041433) bet3 [Mus musculus]'

Seq. No. 34960 Seq. ID OJ990618_12.9921.C49
 Gene No. 72207 Strand -
 Start 1150 End 3587
 Name OJ990618_12.9921.C49.ol.tm Method TBLASTX:Maize
 Start 1548 End 3448
 GI none Score 159
 Exons 1548..1676, 1550..1678, 1556..1672, 1566..1676, 1972..2190, 1997..2182, 2351..2452, 2352..2456, 3167..3328, 3251..3310, 3407..3448, 3424..3447

Seq. No. 34960 Seq. ID OJ990618_12.9921.C49
 Gene No. 72207 Strand -
 Start 1150 End 3587
 Name OJ990618_12.9921.C49.ol.ts Method TBLASTX:Soybean
 Start 1553 End 3460
 GI none Score 90
 Exons 1553..1651, 1554..1670, 1566..1676, 1972..2190, 1997..2182, 2317..2454, 2351..2452, 2352..2456, 2352..2459, 3212..3310, 3251..3310, 3407..3460, 3424..3459

Seq. No. 34961 Seq. ID OJ990618_12.9921.C57
 Gene No. 72208 Strand +
 Start 2519 End 2851
 Name OJ990618_12.9921.C57.ol.gp Method AAT/GAP
 Start 2519 End 2851
 GI 13626.1.R1084 Score 589
 Exons 2519..2851
 GI Descrip. '6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'

Seq. No. 34961 Seq. ID OJ990618_12.9921.C57
 Gene No. 72209 Strand .
 Start 2814 End 3147
 Name OJ990618_12.9921.C57.ol.tm Method TBLASTX:Maize
 Start 2814 End 3147
 GI none Score 147
 Exons 2814..2993, 2815..2994, 3078..3146, 3082..3147

Seq. No. 34962 Seq. ID OJ990618_12.9921.C58
 Gene No. 72210 Strand +
 Start 92 End 1031
 Name OJ990618_12.9921.C58.ol.gp Method AAT/GAP
 Start 92 End 1031
 GI none Score 992
 Exons 92..126, 225..346, 429..474, 571..878, 970..1031

Seq. No. 34962 Seq. ID OJ990618_12.9921.C58
 Gene No. 72211 Strand +
 Start 963 End 1626
 Name OJ990618_12.9921.C58.ol.tm Method TBLASTX:Maize

Start	627	End	1113
GI	none	Score	64
Exons	627..701, 645..695, 673..828, 722..847, 723..848, 823..900, 824..889, 828..908, 952..1038, 1051..1113		

Seq. No.	34962	Seq. ID	OJ990618_12.9921.C58
Gene No.	72211	Strand	+
Start	963	End	1626
Name	OJ990618_12.9921.C58.o2.gp	Method	AAT/GAP
Start	963	End	1626
GI	33640_1.R1084	Score	808
Exons	963..1111, 1315..1626		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	34963	Seq. ID	OJ990618_12.9921.C62
Gene No.	72212	Strand	-
Start	1803	End	2229
Name	OJ990618_12.9921.C62.o1.gp	Method	AAT/GAP
Start	1803	End	2229
GI	4878407	Score	684
Exons	1803..2229		
GI Descrip.	6069643/dbj AP000616.1 AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	34964	Seq. ID	OJ990708_12.9919.C1
Gene No.	72213	Strand	+
Start	6033	End	6662
Name	OJ990708_12.9919.C1.o2.gs	Method	GENSCAN
Start	6033	End	6662
GI	none	Score	.45
Exons	6033..6081, 6278..6335, 6362..6662		

Seq. No.	34964	Seq. ID	OJ990708_12.9919.C1
Gene No.	72214	Strand	-
Start	1	End	4635
Name	OJ990708_12.9919.C1.o1.gp	Method	AAT/GAP
Start	1	End	176
GI	58845_1.R1084	Score	352
Exons	1..176		
GI Descrip.	'2739309/emb CAA75922 4.0e-34 (Y15990) P-glycoprotein-like protein [Arabidopsis thaliana]'		

Seq. No.	34964	Seq. ID	OJ990708_12.9919.C1
Gene No.	72214	Strand	-
Start	1	End	4635
Name	OJ990708_12.9919.C1.o1.np	Method	AAT/NAP
Start	1	End	4635
GI	3522943	Score	2070
Exons	1..566, 665..938, 1032..1557, 1630..1868, 1962..2183, 2310..2485, 3069..3125, 4346..4635		
GI Descrip.	(AC004411) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	34964	Seq. ID	OJ990708_12.9919.C1
Gene No.	72214	Strand	-
Start	1	End	4635
Name	OJ990708_12.9919.C1.o1.gs	Method	GENSCAN

Start	232	End	4629
GI	none	Score	.87
Exons	232..347, 444..566, 665..938, 1032..1557, 1630..1868, 1962..2183, 2310..2485, 3069..3123, 4342..4629		

Seq. No.	34964	Seq. ID	OJ990708_12.9919.C1
Gene No.	72215	Strand	-
Start	7932	End	8315
Name	OJ990708_12.9919.C1.o1.tc	Method	TBLASTX:Cress
Start	7	End	4521
GI	none	Score	226
Exons	7..297, 499..567, 663..947, 663..959, 664..939, 664..939, 1021..1179, 1032..1562, 1032..1445, 1086..1319, 1114..1419, 1234..1563, 1629..1874, 1672..1896, 1695..1874, 1950..2186, 2073..2171, 2179..2211, 2296..2502, 2298..2501, 4375..4521		

Seq. No.	34964	Seq. ID	OJ990708_12.9919.C1
Gene No.	72215	Strand	-
Start	7932	End	8315
Name	OJ990708_12.9919.C1.o3.tm	Method	TBLASTX:Maize
Start	22	End	2406
GI	none	Score	71
Exons	22..285, 44..277, 2325..2405, 2335..2406		

Seq. No.	34964	Seq. ID	OJ990708_12.9919.C1
Gene No.	72215	Strand	-
Start	7932	End	8315
Name	OJ990708_12.9919.C1.o4.ts	Method	TBLASTX:Soybean
Start	58	End	2183
GI	none	Score	90
Exons	58..285, 70..180, 74..259, 1950..2183		

Seq. No.	34964	Seq. ID	OJ990708_12.9919.C1
Gene No.	72215	Strand	-
Start	7932	End	8315
Name	OJ990708_12.9919.C1.o1.tm	Method	TBLASTX:Maize
Start	328	End	1508
GI	none	Score	247
Exons	328..405, 478..567, 663..941, 664..939, 764..952, 1017..1499, 1017..1508, 1234..1506		

Seq. No.	34964	Seq. ID	OJ990708_12.9919.C1
Gene No.	72215	Strand	-
Start	7932	End	8315
Name	OJ990708_12.9919.C1.o2.ts	Method	TBLASTX:Soybean
Start	493	End	947
GI	none	Score	205
Exons	493..567, 663..947, 664..939		

Seq. No.	34964	Seq. ID	OJ990708_12.9919.C1
Gene No.	72215	Strand	-
Start	7932	End	8315
Name	OJ990708_12.9919.C1.o1.tw	Method	TBLASTX:Wheat
Start	678	End	929
GI	none	Score	175
Exons	678..929, 682..921		

Seq. No.	34964	Seq. ID	OJ990708_12.9919.C1
Gene No.	72215	Strand	-
Start	7932	End	8315
Name	OJ990708_12.9919.C1.o1.ts	Method	TBLASTX:Soybean
Start	1023	End	1553
GI	none	Score	85
Exons	1023..1553, 1024..1182, 1044..1541, 1234..1551		

Seq. No.	34964	Seq. ID	OJ990708_12.9919.C1
Gene No.	72215	Strand	-
Start	7932	End	8315
Name	OJ990708_12.9919.C1.o2.tm	Method	TBLASTX:Maize
Start	1509	End	1808
GI	none	Score	46
Exons	1509..1532, 1509..1556, 1510..1560, 1513..1557, 1627..1806, 1629..1805, 1629..1808, 1630..1806, 1697..1807		

Seq. No.	34964	Seq. ID	OJ990708_12.9919.C1
Gene No.	72215	Strand	-
Start	7932	End	8315
Name	OJ990708_12.9919.C1.o3.ts	Method	TBLASTX:Soybean
Start	1629	End	1871
GI	none	Score	122
Exons	1629..1871, 1630..1869		

Seq. No.	34964	Seq. ID	OJ990708_12.9919.C1
Gene No.	72215	Strand	-
Start	7932	End	8315
Name	OJ990708_12.9919.C1.o4.tm	Method	TBLASTX:Maize
Start	7930	End	8164
GI	none	Score	97
Exons	7930..8049, 7938..8042, 7939..8046, 8034..8150, 8035..8148, 8042..8149, 8042..8164		

Seq. No.	34964	Seq. ID	OJ990708_12.9919.C1
Gene No.	72215	Strand	-
Start	7932	End	8315
Name	OJ990708_12.9919.C1.o2.np	Method	AAT/NAP
Start	7932	End	8315
GI	4539658	Score	99
Exons	7932..8066, 8294..8315		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	34965	Seq. ID	OJ990708_12.9919.C2
Gene No.	72216	Strand	+
Start	2164	End	2328
Name	OJ990708_12.9919.C2.o1.gs	Method	GENSCAN
Start	2164	End	2328
GI	none	Score	.66
Exons	2164..2328		

Seq. No.	34965	Seq. ID	OJ990708_12.9919.C2
Gene No.	72217	Strand	-
Start	3559	End	3648
Name	OJ990708_12.9919.C2.o1.gp	Method	AAT/GAP
Start	3559	End	3648

GI uC-osflcyp022c06b2 Score 137
 Exons 3559..3648
 GI Descrip. '5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20
 genomic sequence, complete sequence'

Seq. No. 34966 Seq. ID OJ990708_12.9919.C3
 Gene No. 72218 Strand +
 Start 61 End 1330
 Name OJ990708_12.9919.C3.o1.gs Method GENSCAN
 Start 61 End 1330
 GI none Score .4
 Exons 61..121, 1110..1330

Seq. No. 34966 Seq. ID OJ990708_12.9919.C3
 Gene No. 72219 Strand -
 Start 1650 End 4752
 Name OJ990708_12.9919.C3.o2.gs Method GENSCAN
 Start 1650 End 4752
 GI none Score .56
 Exons 1650..1862, 1890..1966, 2993..3076, 4686..4752

Seq. No. 34966 Seq. ID OJ990708_12.9919.C3
 Gene No. 72220 Strand -
 Start 4669 End 5268
 Name OJ990708_12.9919.C3.o1.np Method AAT/NAP
 Start 4669 End 5268
 GI 82486 Score 113
 Exons 4669..4820, 5168..5268
 GI Descrip. hypothetical protein 3 - rice gi|20381|emb|CAA29824| (X06611)
 put. ORF 1 [Oryza sativa]

Seq. No. 34967 Seq. ID OJ990708_12.9919.C4
 Gene No. 72221 Strand +
 Start 2787 End 3282
 Name OJ990708_12.9919.C4.o1.gp Method AAT/GAP
 Start 2787 End 3282
 GI 38782_1.R1084 Score 781
 Exons 2787..3282
 GI Descrip. '6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic
 DNA, chromosome 6, clone:P0514G12'

Seq. No. 34967 Seq. ID OJ990708_12.9919.C4
 Gene No. 72222 Strand +
 Start 6315 End 7618
 Name OJ990708_12.9919.C4.o2.np Method AAT/NAP
 Start 6315 End 7618
 GI 5817002 Score 596
 Exons 6315..7029, 7467..7618
 GI Descrip. (AL110123) potassium channel-like protein [Arabidopsis thaliana]

Seq. No. 34967 Seq. ID OJ990708_12.9919.C4
 Gene No. 72223 Strand +
 Start 13548 End 15078
 Name OJ990708_12.9919.C4.o4.gs Method GENSCAN
 Start 13548 End 15078
 GI none Score .55
 Exons 13548..13577, 14003..14288, 14960..15078

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72224	Strand	+
Start	15336	End	20225
Name	OJ990708_12.9919.C4.o4.np	Method	AAT/NAP
Start	15294	End	20225
GI	3522943	Score	1922
Exons	15294..15596, 15686..15746, 16594..16769, 17046..17267, 17366..17604, 18418..18941, 19033..19306, 19405..20225		
GI Descrip.	(AC004411) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72224	Strand	+
Start	15336	End	20225
Name	OJ990708_12.9919.C4.o5.gs	Method	GENSCAN
Start	15336	End	19662
GI	none	Score	.84
Exons	15336..15605, 15692..15746, 16594..16769, 17046..17267, 17366..17604, 18418..18637, 19033..19306, 19405..19662		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72225	Strand	-
Start	1	End	1352
Name	OJ990708_12.9919.C4.o1.np	Method	AAT/NAP
Start	1	End	1352
GI	6907086	Score	1062
Exons	1..128, 374..531, 592..1352		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72225	Strand	-
Start	1	End	1352
Name	OJ990708_12.9919.C4.o1.gs	Method	GENSCAN
Start	617	End	1150
GI	none	Score	.97
Exons	617..1150		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72226	Strand	-
Start	6748	End	7191
Name	OJ990708_12.9919.C4.o2.gp	Method	AAT/GAP
Start	6748	End	7191
GI	2443115	Score	864
Exons	6748..7191		
GI Descrip.	5817002/emb CAB53657.1 2.0e-20 (AL110123) potassium channel-like protein [Arabidopsis thaliana]		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72227	Strand	-
Start	8047	End	12123
Name	OJ990708_12.9919.C4.o3.tc	Method	TBLASTX:Cress
Start	6326	End	7599
GI	none	Score	159
Exons	6326..6607, 6629..7003, 6776..6865, 7471..7599, 7474..7599		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72227	Strand	-

Start	8047	End	12123
Name	OJ990708_12.9919.C4.o4.ts	Method	TBLASTX:Soybean
Start	6425	End	6982
GI	none	Score	72
Exons	6425..6532, 6647..6982, 6691..6969		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72227	Strand	-
Start	8047	End	12123
Name	OJ990708_12.9919.C4.o6.tm	Method	TBLASTX:Maize
Start	6461	End	7596
GI	none	Score	83
Exons	6461..6625, 6740..7003, 7471..7596		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72227	Strand	-
Start	8047	End	12123
Name	OJ990708_12.9919.C4.o3.gs	Method	GENSCAN
Start	8047	End	12069
GI	none	Score	.83
Exons	8047..8098, 8219..8372, 8466..8676, 9073..9239, 9521..9754, 10061..10097, 10836..10876, 11190..11689, 11783..12069		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72227	Strand	-
Start	8047	End	12123
Name	OJ990708_12.9919.C4.o3.tm	Method	TBLASTX:Maize
Start	9050	End	9625
GI	none	Score	231
Exons	9050..9241, 9058..9240, 9060..9242, 9064..9243, 9066..9164, 9522..9605, 9602..9625		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72227	Strand	-
Start	8047	End	12123
Name	OJ990708_12.9919.C4.o4.tc	Method	TBLASTX:Cress
Start	9058	End	9241
GI	none	Score	159
Exons	9058..9240, 9059..9241		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72227	Strand	-
Start	8047	End	12123
Name	OJ990708_12.9919.C4.o3.gp	Method	AAT/GAP
Start	9152	End	9784
GI	LIB3433-025-P1-K1-A10	Score	583
Exons	9152..9239, 9521..9784		
GI Descrip.	'2605623/dbj BAA23340 1.0e-119 (D88620) OSMYB4 [Oryza sativa]'		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72227	Strand	-
Start	8047	End	12123
Name	OJ990708_12.9919.C4.o4.gp	Method	AAT/GAP
Start	11017	End	12123
GI	2605622	Score	1992
Exons	11017..11689, 11783..12123		
GI Descrip.	2605623/dbj BAA23340 1.0e-119 (D88620) OSMYB4 [Oryza sativa]		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72227	Strand	-
Start	8047	End	12123
Name	OJ990708_12.9919.C4.o3.np	Method	AAT/NAP
Start	11152	End	12069
GI	2605623	Score	1432
Exons	11152..11689, 11783..12069		
GI Descrip.	(D88620) OSMYB4 [Oryza sativa]		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72227	Strand	-
Start	8047	End	12123
Name	OJ990708_12.9919.C4.o2.tm	Method	TBLASTX:Maize
Start	11563	End	12009
GI	none	Score	142
Exons	11563..11715, 11576..11707, 11773..12009		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72227	Strand	-
Start	8047	End	12123
Name	OJ990708_12.9919.C4.o2.tc	Method	TBLASTX:Cress
Start	11566	End	12060
GI	none	Score	133
Exons	11566..11691, 11570..11707, 11770..12060, 11846..11998		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72227	Strand	-
Start	8047	End	12123
Name	OJ990708_12.9919.C4.o1.tw	Method	TBLASTX:Wheat
Start	11575	End	12006
GI	none	Score	127
Exons	11575..11691, 11576..11692, 11770..12006		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72227	Strand	-
Start	8047	End	12123
Name	OJ990708_12.9919.C4.o2.ts	Method	TBLASTX:Soybean
Start	11587	End	12006
GI	none	Score	114
Exons	11587..11691, 11588..11692, 11770..12006		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72228	Strand	-
Start	15422	End	19934
Name	OJ990708_12.9919.C4.o1.tc	Method	TBLASTX:Cress
Start	15422	End	19934
GI	none	Score	107
Exons	15422..15565, 15423..15566, 16535..16777, 16593..16778, 17048..17161, 17213..17269, 17366..17593, 17366..17539, 18404..18742, 18542..18742, 18583..18741, 18727..18807, 18742..18807, 18744..18806, 18806..18937, 18807..18938, 18810..18980, 18843..18938, 19030..19308, 19030..19308, 19032..19307, 19032..19307, 19404..19490, 19650..19934		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72228	Strand	-

Start	15422	End	19934
Name	OJ990708_12.9919.C4.o6.ts	Method	TBLASTX:Soybean
Start	15474	End	19877
GI	none	Score	66
Exons	15474..15563, 17049..17273, 19677..19877, 19682..19876		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72228	Strand	
Start	15422	End	19934
Name	OJ990708_12.9919.C4.o4.tm	Method	TBLASTX:Maize
Start	16674	End	19928
GI	none	Score	80
Exons	16674..16751, 19674..19928, 19682..19903		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72228	Strand	
Start	15422	End	19934
Name	OJ990708_12.9919.C4.o5.ts	Method	TBLASTX:Soybean
Start	17363	End	17632
GI	none	Score	233
Exons	17363..17632, 17446..17595		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72228	Strand	
Start	15422	End	19934
Name	OJ990708_12.9919.C4.o5.tm	Method	TBLASTX:Maize
Start	17425	End	17602
GI	none	Score	237
Exons	17425..17601, 17426..17602		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72228	Strand	
Start	15422	End	19934
Name	OJ990708_12.9919.C4.o1.ts	Method	TBLASTX:Soybean
Start	18422	End	18941
GI	none	Score	375
Exons	18422..18742, 18425..18517, 18477..18626, 18478..18741, 18741..18806, 18742..18813, 18756..18941, 18763..18936, 18807..18938		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72228	Strand	
Start	15422	End	19934
Name	OJ990708_12.9919.C4.o1.tm	Method	TBLASTX:Maize
Start	18467	End	19493
GI	none	Score	306
Exons	18467..18742, 18475..18741, 18741..18806, 18742..18813, 18792..18929, 18806..18937, 18807..18938, 19030..19308, 19030..19308, 19032..19316, 19403..19450, 19404..19493		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72228	Strand	
Start	15422	End	19934
Name	OJ990708_12.9919.C4.o3.ts	Method	TBLASTX:Soybean
Start	19030	End	19478
GI	none	Score	349
Exons	19030..19308, 19030..19311, 19404..19478		

Seq. No.	34967	Seq. ID	OJ990708_12.9919.C4
Gene No.	72228	Strand	
Start	15422	End	19934
Name	OJ990708_12.9919.C4.o2.tw	Method	TBLASTX:Wheat
Start	19041	End	19293
GI	none	Score	297
Exons	19041..19289, 19042..19293		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72229	Strand	+
Start	1	End	1697
Name	OJ990708_12.9919.C5.o1.np	Method	AAT/NAP
Start	1	End	1697
GI	3522943	Score	1350
Exons	1..69, 307..573, 708..971, 1053..1697		
GI Descrip.	(AC004411) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72229	Strand	+
Start	1	End	1697
Name	OJ990708_12.9919.C5.o1.gp	Method	AAT/GAP
Start	297	End	892
GI	2309956	Score	819
Exons	297..573, 708..892		
GI Descrip.	5816991/emb CAB53646.1 1.0e-35 (AL110123) multidrug resistance protein/P-glycoprotein-like [Arabidopsis thaliana]		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72229	Strand	+
Start	1	End	1697
Name	OJ990708_12.9919.C5.o1.gs	Method	GENSCAN
Start	307	End	1697
GI	none	Score	.82
Exons	307..345, 708..1697		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72230	Strand	+
Start	4560	End	5921
Name	OJ990708_12.9919.C5.o3.gs	Method	GENSCAN
Start	4560	End	5921
GI	none	Score	1
Exons	4560..5921		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72231	Strand	+
Start	6598	End	6940
Name	OJ990708_12.9919.C5.o4.gs	Method	GENSCAN
Start	6598	End	6940
GI	none	Score	.4
Exons	6598..6813, 6920..6940		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72232	Strand	+
Start	10260	End	14163
Name	OJ990708_12.9919.C5.o2.np	Method	AAT/NAP
Start	10260	End	14163

GI	6539553	Score	6736
Exons	10260..14163		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72233	Strand	-
Start	2155	End	3928
Name	OJ990708_12.9919.C5.o2.gs	Method	GENSCAN
Start	2155	End	3928
GI	none	Score	.92
Exons	2155..2527, 2749..2926, 3449..3646, 3910..3928		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72234	Strand	-
Start	17467	End	18922
Name	OJ990708_12.9919.C5.o6.gs	Method	GENSCAN
Start	17467	End	18922
GI	none	Score	.64
Exons	17467..17910, 17999..18922		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72234	Strand	-
Start	17467	End	18922
Name	OJ990708_12.9919.C5.o3.np	Method	AAT/NAP
Start	17473	End	18618
GI	4115538	Score	714
Exons	17473..18618		
GI Descrip.	(AB012116) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1252
GI	none	Score	99
Exons	1..90, 304..576, 306..575, 693..986, 698..970, 1028..1246, 1050..1250, 1052..1252		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o2.tm	Method	TBLASTX:Maize
Start	1	End	1699
GI	none	Score	90
Exons	1..90, 304..576, 306..575, 698..946, 699..986, 801..953, 1046..1270, 1050..1694, 1050..1124, 1052..1699		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o1.tc	Method	TBLASTX:Cress
Start	313	End	1694
GI	none	Score	84

Exons 313..414, 699..851, 720..986, 861..986, 861..947, 879..938,
1029..1286, 1050..1313, 1052..1285, 1058..1291, 1271..1666,
1272..1694, 1278..1682, 1281..1580, 1337..1654

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o3.ts	Method	TBLASTX:Soybean
Start	1271	End	1643
GI	none	Score	218
Exons	1271..1441, 1272..1442, 1439..1636, 1440..1643		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o6.tw	Method	TBLASTX:Wheat
Start	1356	End	1604
GI	none	Score	318
Exons	1356..1604, 1364..1603		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o2.ts	Method	TBLASTX:Soybean
Start	5126	End	18880
GI	none	Score	45
Exons	5126..5248, 17482..17658, 17483..17650, 17632..17952, 17668..17799, 17702..17911, 17972..18028, 17983..18027, 18041..18130, 18060..18131, 18143..18202, 18404..18574, 18668..18754, 18669..18737, 18779..18880, 18822..18860		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o5.tw	Method	TBLASTX:Wheat
Start	10254	End	10641
GI	none	Score	354
Exons	10254..10640, 10265..10639, 10378..10641		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o7.tm	Method	TBLASTX:Maize
Start	10389	End	10702
GI	none	Score	361
Exons	10389..10700, 10397..10702		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o4.tm	Method	TBLASTX:Maize
Start	11201	End	11523
GI	none	Score	268
Exons	11201..11455, 11208..11522, 11228..11521, 11356..11523		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-

Start 21086
 Name OJ990708_12.9919.C5.o8.ts
 Start 11550
 GI none
 Exons 11550..11705, 11688..11936

End 30337
 Method TBLASTX:Soybean
 End 11936
 Score 88

Seq. No. 34968
 Gene No. 72235
 Start 21086
 Name OJ990708_12.9919.C5.o12.tm
 Start 11724
 GI none
 Exons 11724..12158, 11933..12133

Seq. ID OJ990708_12.9919.C5
 Strand -
 End 30337
 Method TBLASTX:Maize
 End 12158
 Score 303

Seq. No. 34968
 Gene No. 72235
 Start 21086
 Name OJ990708_12.9919.C5.o8.tw
 Start 11801
 GI none
 Exons 11801..11872, 11802..11993, 11802..11993

Seq. ID OJ990708_12.9919.C5
 Strand -
 End 30337
 Method TBLASTX:Wheat
 End 11993
 Score 275

Seq. No. 34968
 Gene No. 72235
 Start 21086
 Name OJ990708_12.9919.C5.o6.ts
 Start 11946
 GI none
 Exons 11946..12170, 11954..12124, 11955..12125, 12171..12344, 12179..12217

Seq. ID OJ990708_12.9919.C5
 Strand -
 End 30337
 Method TBLASTX:Soybean
 End 12344
 Score 197

Seq. No. 34968
 Gene No. 72235
 Start 21086
 Name OJ990708_12.9919.C5.o1.tw
 Start 11994
 GI none
 Exons 11994..12482, 12002..12484, 12512..12727, 12514..12747, 12588..12746

Seq. ID OJ990708_12.9919.C5
 Strand -
 End 30337
 Method TBLASTX:Wheat
 End 12747
 Score 650

Seq. No. 34968
 Gene No. 72235
 Start 21086
 Name OJ990708_12.9919.C5.o4.ts
 Start 12667
 GI 5509260
 Exons 12667..13131, 12762..12980, 13053..13112
 GI Descrip. -

Seq. ID OJ990708_12.9919.C5
 Strand -
 End 30337
 Method TBLASTX:Soybean
 End 13131
 Score 372

Seq. No. 34968
 Gene No. 72235
 Start 21086
 Name OJ990708_12.9919.C5.o3.tc
 Start 12760
 GI none
 Exons 12760..13020, 12762..12932

Seq. ID OJ990708_12.9919.C5
 Strand -
 End 30337
 Method TBLASTX:Cress
 End 13020
 Score 275

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o8.tm	Method	TBLASTX:Maize
Start	12801	End	13266
GI	none	Score	350
Exons	12801..12983, 12802..13266, 12937..13119, 13053..13163		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o4.tw	Method	TBLASTX:Wheat
Start	12802	End	13347
GI	none	Score	308
Exons	12802..13146, 12819..12842, 12949..13122, 13141..13347, 13215..13337		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o5.ts	Method	TBLASTX:Soybean
Start	13200	End	13545
GI	none	Score	314
Exons	13200..13400, 13201..13545		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o11.tm	Method	TBLASTX:Maize
Start	13356	End	13695
GI	none	Score	318
Exons	13356..13694, 13357..13695		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o2.tw	Method	TBLASTX:Wheat
Start	13551	End	14027
GI	none	Score	101
Exons	13551..13622, 13552..13626, 13640..13948, 13641..14027, 13642..13989		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o7.ts	Method	TBLASTX:Soybean
Start	13558	End	13899
GI	none	Score	91
Exons	13558..13671, 13584..13664, 13690..13899, 13695..13820		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o11.tm	Method	TBLASTX:Maize
Start	17485	End	18921
GI	none	Score	118
Exons	17485..17706, 17489..17653, 17659..18027, 17665..17799,		

17702..18031, 18041..18106, 18042..18107, 18104..18679,
 18105..18677, 18650..18790, 18672..18779, 18767..18916,
 18771..18920, 18834..18920, 18835..18921

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o2.tc	Method	TBLASTX:Cress
Start	17803	End	18880
GI	none	Score	98
Exons	17803..17940, 17804..17911, 17969..18028, 17977..18027, 18042..18149, 18044..18148, 18218..18406, 18432..18572, 18440..18574, 18614..18658, 18656..18736, 18770..18880		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o3.tw	Method	TBLASTX:Wheat
Start	17810	End	18278
GI	none	Score	89
Exons	17810..17869, 17812..17868, 17870..17911, 17872..17916, 17902..18027, 17957..18031, 18041..18208, 18042..18209, 18215..18277, 18216..18278		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o7.gs	Method	GENSCAN
Start	21086	End	30163
GI	none	Score	.55
Exons	21086..21338, 21359..21555, 23084..23191, 24143..24355, 25849..25929, 26235..26459, 26649..26738, 26964..27083, 27200..27307, 27492..28510, 28661..29113, 29336..29497, 29866..30163		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o6.tm	Method	TBLASTX:Maize
Start	23982	End	24547
GI	none	Score	82
Exons	23982..24011, 24011..24151, 24011..24151, 24137..24355, 24145..24291, 24152..24355, 24310..24363, 24449..24541, 24458..24547, 24471..24542		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o4.np	Method	AAT/NAP
Start	25623	End	30337
GI	6069646	Score	990
Exons	25623..26612, 26895..27689, 30276..30337		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj RAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o10.tw	Method	TBLASTX:Wheat
Start	25749	End	26100
GI	none	Score	69
Exons	25749..25796, 25911..26096, 25933..26100		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o10.tm	Method	TBLASTX:Maize
Start	25825	End	26109
GI	none	Score	106
Exons	25825..26109, 25830..26105		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o13.tm	Method	TBLASTX:Maize
Start	26334	End	26618
GI	none	Score	103
Exons	26334..26429, 26442..26618, 26443..26613		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o9.ts	Method	TBLASTX:Soybean
Start	26520	End	27059
GI	none	Score	161
Exons	26520..26648, 26679..26702, 26709..27059		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o7.tw	Method	TBLASTX:Wheat
Start	26598	End	27038
GI	none	Score	123
Exons	26598..26756, 26742..27038, 26746..27036		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o3.tm	Method	TBLASTX:Maize
Start	26679	End	27353
GI	none	Score	72
Exons	26679..27353, 26746..26952, 27028..27186, 27211..27315		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o11.tw	Method	TBLASTX:Wheat
Start	27153	End	27458
GI	none	Score	79
Exons	27153..27458, 27163..27309		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o5.np	Method	AAT/NAP
Start	27237	End	28781
GI	2462134	Score	586
Exons	27237..28781		
GI Descrip.	(Y13368) reverse transcriptase [Beta vulgaris]		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o5.tm	Method	TBLASTX:Maize
Start	27354	End	27719
GI	none	Score	224
Exons	27354..27719, 27355..27708		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o9.tw	Method	TBLASTX:Wheat
Start	27465	End	27800
GI	none	Score	85
Exons	27465..27647, 27648..27800		

Seq. No.	34968	Seq. ID	OJ990708_12.9919.C5
Gene No.	72235	Strand	-
Start	21086	End	30337
Name	OJ990708_12.9919.C5.o9.tm	Method	TBLASTX:Maize
Start	27879	End	28310
GI	none	Score	100
Exons	27879..28310, 27988..28167, 27993..28286, 28201..28287		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72236	Strand	+
Start	11655	End	12504
Name	OJ990708_12.9919.C6.o3.gs	Method	GENSCAN
Start	11655	End	12504
GI	none	Score	.54
Exons	11655..11716, 11799..12186, 12355..12504		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72237	Strand	+
Start	21989	End	29551
Name	OJ990708_12.9919.C6.o7.gs	Method	GENSCAN
Start	21989	End	29551
GI	none	Score	.64
Exons	21989..22300, 24326..24704, 25773..25915, 26337..27116, 28152..28548, 28608..29551		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72238	Strand	+
Start	31553	End	36028
Name	OJ990708_12.9919.C6.o9.gs	Method	GENSCAN
Start	31553	End	35593
GI	none	Score	.79
Exons	31553..31858, 32542..34551, 34676..34746, 35502..35593		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72238	Strand	+
Start	31553	End	36028
Name	OJ990708_12.9919.C6.o4.gp	Method	AAT/GAP
Start	32534	End	32936
GI	3760510	Score	748
Exons	32534..32936		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72238	Strand	+
Start	31553	End	36028
Name	OJ990708_12.9919.C6.o3.np	Method	AAT/NAP
Start	32576	End	34593
GI	6358799	Score	818
Exons	32576..34246, 34277..34593		
GI Descrip.	(AC010675) unknown protein [Arabidopsis thaliana]		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72238	Strand	+
Start	31553	End	36028
Name	OJ990708_12.9919.C6.o5.gp	Method	AAT/GAP
Start	34676	End	36028
GI	3760511	Score	658
Exons	34676..34746, 35740..36028		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72239	Strand	-
Start	66	End	5352
Name	OJ990708_12.9919.C6.o1.gs	Method	GENSCAN
Start	66	End	5352
GI	none	Score	.64
Exons	66..880, 937..1920, 3084..3232, 3252..3348, 3375..3752, 3882..4032, 4288..4407, 4906..5352		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72239	Strand	-
Start	66	End	5352
Name	OJ990708_12.9919.C6.o1.np	Method	AAT/NAP
Start	3894	End	5202
GI	5777617	Score	69
Exons	3894..4024, 5173..5202		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72240	Strand	-
Start	7100	End	11396
Name	OJ990708_12.9919.C6.o2.gs	Method	GENSCAN
Start	7100	End	11396
GI	none	Score	.7
Exons	7100..7392, 7474..7666, 7770..7952, 9342..9941, 10896..11396		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72241	Strand	-
Start	13452	End	15949
Name	OJ990708_12.9919.C6.o4.gs	Method	GENSCAN
Start	13452	End	15949

GI	none	Score	.46
Exons	13452..13979, 15440..15949		
Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72241	Strand	-
Start	13452	End	15949
Name	OJ990708_12.9919.C6.o1.gp	Method	AAT/GAP
Start	13599	End	13887
GI	2442534	Score	510
Exons	13599..13887		
Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72242	Strand	-
Start	16990	End	17508
Name	OJ990708_12.9919.C6.o5.gs	Method	GENSCAN
Start	16990	End	17508
GI	none	Score	1
Exons	16990..17508		
Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72243	Strand	-
Start	20657	End	21783
Name	OJ990708_12.9919.C6.o6.gs	Method	GENSCAN
Start	20657	End	21700
GI	none	Score	.76
Exons	20657..21700		
Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72243	Strand	-
Start	20657	End	21783
Name	OJ990708_12.9919.C6.o2.gp	Method	AAT/GAP
Start	21399	End	21783
GI	5004187	Score	720
Exons	21399..21783		
Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72244	Strand	-
Start	29207	End	29654
Name	OJ990708_12.9919.C6.o3.gp	Method	AAT/GAP
Start	29207	End	29654
GI	45844_1.R1084	Score	816
Exons	29207..29654		
GI Descrip.	'5816991/emb CAB53646.1 1.0e-35 (AL110123). multidrug resistance protein/P-glycoprotein-like [Arabidopsis thaliana]'		
Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72245	Strand	-
Start	30033	End	31407
Name	OJ990708_12.9919.C6.o2.tw	Method	TBLASTX:Wheat
Start	1560	End	21758
GI	none	Score	66
Exons	1560..1628, 21092..21292, 21260..21385, 21279..21386, 21371..21478, 21372..21479, 21464..21571, 21465..21572, 21557..21667, 21558..21758, 21656..21703, 21701..21751		
Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72245	Strand	-

Start	30033	End	31407
Name	OJ990708_12.9919.C6.o7.tm	Method	TBLASTX:Maize
Start	20459	End	21759
GI	none	Score	65
Exons	20459..20506, 20507..20530, 20656..20769, 20846..21211, 21061..21150, 21239..21310, 21260..21304, 21425..21496, 21656..21718, 21657..21734, 21700..21759		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72245	Strand	-
Start	30033	End	31407
Name	OJ990708_12.9919.C6.o2.tm	Method	TBLASTX:Maize
Start	26323	End	27119
GI	none	Score	358
Exons	26323..26562, 26324..26566, 26328..26537, 26584..26754, 26584..26769, 26595..26777, 26625..26768, 26783..26875, 26793..26900, 26799..26894, 26897..27043, 26905..27117, 26922..27110, 26931..27119		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72245	Strand	-
Start	30033	End	31407
Name	OJ990708_12.9919.C6.o2.ts	Method	TBLASTX:Soybean
Start	26324	End	26546
GI	none	Score	286
Exons	26324..26536, 26325..26546		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72245	Strand	-
Start	30033	End	31407
Name	OJ990708_12.9919.C6.o9.tm	Method	TBLASTX:Maize
Start	28219	End	28624
GI	none	Score	34
Exons	28219..28278, 28219..28293, 28312..28392, 28318..28383, 28376..28408, 28443..28610, 28480..28620, 28523..28624		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72245	Strand	-
Start	30033	End	31407
Name	OJ990708_12.9919.C6.o2.np	Method	AAT/NAP
Start	30033	End	31407
GI	6911873	Score	530
Exons	30033..30945, 31283..31407		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72245	Strand	-
Start	30033	End	31407
Name	OJ990708_12.9919.C6.o8.gs	Method	GENSCAN
Start	30033	End	31052
GI	none	Score	.82
Exons	30033..30245, 30264..31052		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72245	Strand	-
Start	30033	End	31407
Name	OJ990708_12.9919.C6.o4.tm	Method	TBLASTX:Maize

Start	30039	End	30908
GI	none	Score	71
Exons	30039..30110, 30213..30554, 30229..30333, 30561..30740, 30564..30734, 30565..30744, 30831..30878, 30832..30882, 30882..30908		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72245	Strand	-
Start	30033	End	31407
Name	OJ990708_12.9919.C6.o4.ts	Method	TBLASTX:Soybean
Start	30132	End	30431
GI	none	Score	90
Exons	30132..30431, 30172..30420		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72245	Strand	-
Start	30033	End	31407
Name	OJ990708_12.9919.C6.o1.tc	Method	TBLASTX:Cress
Start	30255	End	30935
GI	none	Score	142
Exons	30255..30482, 30516..30731, 30529..30732, 30837..30878, 30888..30935		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72245	Strand	-
Start	30033	End	31407
Name	OJ990708_12.9919.C6.o1.ts	Method	TBLASTX:Soybean
Start	30444	End	30879
GI	none	Score	130
Exons	30444..30734, 30523..30747, 30786..30878, 30805..30879		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72246	Strand	-
Start	32542	End	32870
Name	OJ990708_12.9919.C6.o3.tm	Method	TBLASTX:Maize
Start	32542	End	32870
GI	none	Score	465
Exons	32542..32865, 32550..32861, 32591..32866, 32730..32870		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72247	Strand	-
Start	32871	End	33399
Name	OJ990708_12.9919.C6.o1.tm	Method	TBLASTX:Maize
Start	32871	End	33353
GI	none	Score	755
Exons	32871..33350, 32872..33351, 32874..33353		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72247	Strand	-
Start	32871	End	33399
Name	OJ990708_12.9919.C6.o3.ts	Method	TBLASTX:Soybean
Start	32950	End	33366
GI	none	Score	179
Exons	32950..33225, 32956..33174, 33232..33366		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72247	Strand	-

Start	32871	End	33399
Name	OJ990708_12.9919.C6.o2.tc	Method	TBLASTX:Cress
Start	33013	End	33399
GI	none	Score	142
Exons	33013..33225, 33226..33399		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72248	Strand	
Start	33399	End	34749
Name	OJ990708_12.9919.C6.o1.tw	Method	TBLASTX:Wheat
Start	33399	End	33825
GI	none	Score	226
Exons	33399..33632, 33431..33631, 33472..33642, 33724..33825, 33730..33825		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72248	Strand	
Start	33399	End	34749
Name	OJ990708_12.9919.C6.o8.tm	Method	TBLASTX:Maize
Start	33478	End	34106
GI	none	Score	79
Exons	33478..33621, 33628..33810, 33834..33872, 33838..34098, 33915..34106		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72248	Strand	
Start	33399	End	34749
Name	OJ990708_12.9919.C6.o5.ts	Method	TBLASTX:Soybean
Start	33922	End	34584
GI	none	Score	111
Exons	33922..34128, 33933..34040, 34261..34356, 34293..34349, 34381..34479, 34383..34487, 34477..34584, 34528..34572		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72248	Strand	
Start	33399	End	34749
Name	OJ990708_12.9919.C6.o6.tm	Method	TBLASTX:Maize
Start	34138	End	34359
GI	none	Score	308
Exons	34138..34359, 34138..34347, 34139..34357, 34140..34358		

Seq. No.	34969	Seq. ID	OJ990708_12.9919.C6
Gene No.	72248	Strand	
Start	33399	End	34749
Name	OJ990708_12.9919.C6.o5.tm	Method	TBLASTX:Maize
Start	34360	End	34749
GI	none	Score	374
Exons	34360..34587, 34362..34586, 34675..34749, 34675..34749		

Seq. No.	34970	Seq. ID	OJ990318_14.9922.C2
Gene No.	72249	Strand	+
Start	491	End	681
Name	OJ990318_14.9922.C2.o1.np	Method	AAT/NAP
Start	491	End	681
GI	2498930	Score	54
Exons	491..551, 659..681		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION		

PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]

Seq. No.	34971	Seq. ID	OJ990318_14.9922.C3
Gene No.	72250	Strand	+
Start	1	End	659
Name	OJ990318_14.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	659
GI	2498930	Score	1113
Exons	1..659		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi 1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	34971	Seq. ID	OJ990318_14.9922.C3
Gene No.	72250	Strand	+
Start	1	End	659
Name	OJ990318_14.9922.C3.o1.gs	Method	GENSCAN
Start	45	End	623
GI	none	Score	.94
Exons	45..623		

Seq. No.	34972	Seq. ID	OJ990318_14.9922.C5
Gene No.	72251	Strand	-
Start	263	End	331
Name	OJ990318_14.9922.C5.o1.gs	Method	GENSCAN
Start	263	End	331
GI	none	Score	.5
Exons	263..331		

Seq. No.	34973	Seq. ID	OJ990318_14.9922.C6
Gene No.	72252	Strand	+
Start	9387	End	17874
Name	OJ990318_14.9922.C6.o1.np	Method	AAT/NAP
Start	9387	End	17874
GI	5091513	Score	1727
Exons	9387..9439, 11841..12505, 13266..13989, 14681..14771, 14812..14871, 14980..15168, 17724..17874		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	34973	Seq. ID	OJ990318_14.9922.C6
Gene No.	72252	Strand	+
Start	9387	End	17874
Name	OJ990318_14.9922.C6.o3.gs	Method	GENSCAN
Start	17630	End	17772
GI	none	Score	.67
Exons	17630..17772		

Seq. No.	34974	Seq. ID	OJ990318_14.9922.C7
Gene No.	72253	Strand	+
Start	166	End	851
Name	OJ990318_14.9922.C7.o1.gs	Method	GENSCAN
Start	166	End	851
GI	none	Score	.63
Exons	166..201, 687..851		

Seq. No.	34974	Seq. ID	OJ990318_14.9922.C7
Gene No.	72254	Strand	-
Start	1	End	1166

Name	OJ990318_14.9922.C7.o1.np	Method	AAT/NAP
Start	1	End	1166
GI	5852181	Score	120
Exons	1..211, 1004..1166		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	34974	Seq. ID	OJ990318_14.9922.C7
Gene No.	72255	Strand	-
Start	2672	End	4712
Name	OJ990318_14.9922.C7.o2.gs	Method	GENSCAN
Start	2672	End	4712
GI	none	Score	.81
Exons	2672..2855, 3450..3583, 4109..4234, 4411..4712		

Seq. No.	34975	Seq. ID	OJ990318_14.9922.C8
Gene No.	72256	Strand	-
Start	592	End	849
Name	OJ990318_14.9922.C8.o1.np	Method	AAT/NAP
Start	592	End	849
GI	2924779	Score	103
Exons	592..692, 777..849		

GI Descrip. (AC002334) 3-ketoacyl-CoA thiolase [Arabidopsis thaliana]
gi|2981616|dbj|BAA25248| (AB008854) 3-ketoacyl-CoA thiolase
[Arabidopsis thaliana] gi|2981618|dbj|BAA25249| (AB008855)
3-ketoacyl-CoA thiolase [Arabidopsis thaliana]

Seq. No.	34975	Seq. ID	OJ990318_14.9922.C8
Gene No.	72256	Strand	-
Start	592	End	849
Name	OJ990318_14.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	595	End	849
GI	none	Score	62
Exons	595..690, 595..693, 596..694, 770..841, 771..839, 772..849, 776..841		

Seq. No.	34976	Seq. ID	OJ990318_14.9922.C9
Gene No.	72257	Strand	+
Start	4027	End	6795
Name	OJ990318_14.9922.C9.o2.gs	Method	GENSCAN
Start	4027	End	6795
GI	none	Score	.5
Exons	4027..4337, 4580..4881, 5389..5469, 6377..6450, 6568..6795		

Seq. No.	34976	Seq. ID	OJ990318_14.9922.C9
Gene No.	72258	Strand	+
Start	9807	End	13387
Name	OJ990318_14.9922.C9.o1.np	Method	AAT/NAP
Start	9807	End	13387
GI	6706414	Score	1206
Exons	9807..9847, 10971..11796, 11899..12012, 12043..13387		
GI Descrip.	(AL133248) putative protein [Arabidopsis thaliana]		

Seq. No.	34976	Seq. ID	OJ990318_14.9922.C9
Gene No.	72259	Strand	+
Start	18692	End	18814
Name	OJ990318_14.9922.C9.o1.gp	Method	AAT/GAP
Start	18692	End	18814

GI LIB3477-003-P1-K1-E9 Score 91
 Exons 18692..18814
 GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY
 S 1 PRECURSOR (ORY S I)->gi_1173557 (U31771) Ory s 1 [Oryza
 sativa]'

Seq. No. 34976 Seq. ID OJ990318_14.9922.C9
 Gene No. 72260 Strand -
 Start 18088 End 19806
 Name OJ990318_14.9922.C9.o1.tw Method TBLASTX:Wheat
 Start 10987 End 12696
 GI none Score 84
 Exons 10987..11211, 11131..11373, 11464..11892, 11613..11831,
 11818..11952, 11869..12012, 12067..12093, 12231..12263,
 12250..12324, 12251..12349, 12368..12691, 12380..12691,
 12409..12696, 12515..12631

Seq. No. 34976 Seq. ID OJ990318_14.9922.C9
 Gene No. 72260 Strand -
 Start 18088 End 19806
 Name OJ990318_14.9922.C9.o2.tc Method TBLASTX:Cress
 Start 11032 End 12808
 GI none Score 63
 Exons 11032..11211, 11671..11892, 11770..11976, 12137..12232,
 12245..12337, 12425..12808, 12437..12787

Seq. No. 34976 Seq. ID OJ990318_14.9922.C9
 Gene No. 72260 Strand -
 Start 18088 End 19806
 Name OJ990318_14.9922.C9.o3.ts Method TBLASTX:Soybean
 Start 11164 End 12607
 GI none Score 119
 Exons 11164..11379, 11527..11853, 12248..12349, 12361..12447,
 12377..12607

Seq. No. 34976 Seq. ID OJ990318_14.9922.C9
 Gene No. 72260 Strand -
 Start 18088 End 19806
 Name OJ990318_14.9922.C9.o1.tm Method TBLASTX:Maize
 Start 11287 End 12652
 GI none Score 83
 Exons 11287..11463, 11527..11598, 11616..11771, 11617..11883,
 11815..11976, 11926..11994, 12058..12093, 12272..12652,
 12273..12644, 12274..12651

Seq. No. 34976 Seq. ID OJ990318_14.9922.C9
 Gene No. 72260 Strand -
 Start 18088 End 19806
 Name OJ990318_14.9922.C9.o1.ts Method TBLASTX:Soybean
 Start 12629 End 13162
 GI none Score 434
 Exons 12629..13162

Seq. No. 34976 Seq. ID OJ990318_14.9922.C9
 Gene No. 72260 Strand -
 Start 18088 End 19806
 Name OJ990318_14.9922.C9.o2.tm Method TBLASTX:Maize

Start	12797	End	13345
GI	none	Score	392
Exons	12797..13345, 13033..13344		

Seq. No.	34976	Seq. ID	OJ990318_14.9922.C9
Gene No.	72260	Strand	-
Start	18088	End	19806
Name	OJ990318_14.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	12874	End	13390
GI	none	Score	490
Exons	12874..12996, 12875..13390, 13027..13359		

Seq. No.	34976	Seq. ID	OJ990318_14.9922.C9
Gene No.	72260	Strand	-
Start	18088	End	19806
Name	OJ990318_14.9922.C9.o2.ts	Method	TBLASTX:Soybean
Start	13172	End	13407
GI	none	Score	274
Exons	13172..13390, 13183..13356, 13243..13407		

Seq. No.	34976	Seq. ID	OJ990318_14.9922.C9
Gene No.	72260	Strand	-
Start	18088	End	19806
Name	OJ990318_14.9922.C9.o2.np	Method	AAT/NAP
Start	18088	End	19806
GI	6721512	Score	41
Exons	18088..18143, 19540..19676, 19704..19806		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72261	Strand	+
Start	11797	End	13180
Name	OJ990318_14.9922.C10.o3.gs	Method	GENSCAN
Start	11797	End	13180
GI	none	Score	.52
Exons	11797..11862, 12559..12676, 13164..13180		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72261	Strand	+
Start	11797	End	13180
Name	OJ990318_14.9922.C10.o1.gp	Method	AAT/GAP
Start	12414	End	12824
GI	none	Score	674
Exons	12414..12824		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72262	Strand	-
Start	1574	End	5709
Name	OJ990318_14.9922.C10.o1.np	Method	AAT/NAP
Start	1574	End	4301
GI	6671951	Score	709
Exons	1574..1650, 3140..3214, 3391..4301		
GI Descrip.	(AC016795) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72262	Strand	-
Start	1574	End	5709

Name	OJ990318_14.9922.C10.o1.gs	Method	GENSCAN
Start	3127	End	5709
GI	none	Score	.48
Exons	3127..3225, 3396..4225, 4845..4991, 5571..5709		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72263	Strand	-
Start	13774	End	21787
Name	OJ990318_14.9922.C10.o4.gs	Method	GENSCAN
Start	13774	End	21787
GI	none	Score	.56
Exons	13774..14077, 14198..14274, 14761..14878, 14966..15094, 15754..15817, 15895..16000, 16083..16154, 16622..16702, 16867..16958, 16970..19855, 20074..21787		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72263	Strand	-
Start	13774	End	21787
Name	OJ990318_14.9922.C10.o2.np	Method	AAT/NAP
Start	17001	End	21298
GI	6466937	Score	2356
Exons	17001..20636, 20676..21298		

GI Descrip (AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72264	Strand	-
Start	22445	End	33838
Name	OJ990318_14.9922.C10.o5.gs	Method	GENSCAN
Start	22445	End	33838
GI	none	Score	.58
Exons	22445..22551, 22680..23248, 23627..26002, 26521..26750, 26825..26944, 28034..28081, 28483..28577, 28980..29058, 29173..29379, 29470..29601, 31648..31698, 31785..31895, 31971..32240, 32282..32509, 33085..33258, 33761..33838		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o8.tm	Method	TBLASTX:Maize
Start	3442	End	3788
GI	none	Score	315
Exons	3442..3750, 3489..3788		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	3709	End	4172
GI	none	Score	261
Exons	3709..3993, 3711..4163, 3712..4164, 3719..4009, 3723..4172, 4070..4168		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o3.tm	Method	TBLASTX:Maize

Start	3795	End	4299
GI	none	Score	137
Exons	3795..4022, 3796..4032, 3799..3996, 3801..4022, 4032..4079, 4080..4289, 4086..4283, 4087..4299		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o8.ts	Method	TBLASTX:Soybean
Start	4089	End	4275
GI	none	Score	101
Exons	4089..4274, 4090..4275		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o16.tm	Method	TBLASTX:Maize
Start	14046	End	16005
GI	none	Score	43
Exons	14046..14081, 14047..14079, 14186..14239, 14199..14276, 14199..14276, 14760..14894, 14761..14898, 14763..14879, 14785..14889, 14953..15093, 14956..15093, 14966..15094, 15753..15812, 15758..15808, 15875..16003, 15892..16005		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o10.tm	Method	TBLASTX:Maize
Start	16619	End	23055
GI	none	Score	77
Exons	16619..16699, 22475..22552, 22483..22551, 22612..23028, 22639..23055, 22679..23035, 22686..23042		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o6.tm	Method	TBLASTX:Maize
Start	16971	End	22271
GI	none	Score	47
Exons	16971..17024, 16972..17013, 17094..17678, 17097..17231, 17296..17679, 17670..17708, 22218..22271		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o5.tw	Method	TBLASTX:Wheat
Start	17289	End	17643
GI	none	Score	151
Exons	17289..17642, 17352..17639, 17359..17643		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	17712	End	18347
GI	none	Score	396
Exons	17712..18347, 17713..18234, 17739..18245, 18308..18346		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o7.tw	Method	TBLASTX:Wheat
Start	17712	End	33046
GI	none	Score	72
Exons	17712..18092, 17764..17997, 32996..33046		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o2.ts	Method	TBLASTX:Soybean
Start	17940	End	18323
GI	none	Score	165
Exons	17940..18323, 17944..18210		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o3.tw	Method	TBLASTX:Wheat
Start	18180	End	18566
GI	none	Score	96
Exons	18180..18566, 18181..18438		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o11.tm	Method	TBLASTX:Maize
Start	18348	End	18773
GI	none	Score	111
Exons	18348..18578, 18583..18771, 18585..18773, 18591..18773		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o5.ts	Method	TBLASTX:Soybean
Start	18759	End	19016
GI	none	Score	211
Exons	18759..19016		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o4.tm	Method	TBLASTX:Maize
Start	18774	End	19292
GI	none	Score	90
Exons	18774..19292, 18781..18882, 18783..19265, 18898..19287		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o4.tw	Method	TBLASTX:Wheat
Start	18924	End	19325
GI	none	Score	128
Exons	18924..19325, 18961..19236, 18966..19292		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o3.ts	Method	TBLASTX:Soybean
Start	19038	End	19397
GI	none	Score	98
Exons	19038..19397, 19048..19278		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o5.tm	Method	TBLASTX:Maize
Start	19320	End	19796
GI	none	Score	166
Exons	19320..19796, 19347..19793		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o2.tw	Method	TBLASTX:Wheat
Start	19374	End	19844
GI	none	Score	156
Exons	19374..19844, 19378..19776		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o6.ts	Method	TBLASTX:Soybean
Start	19506	End	19820
GI	none	Score	204
Exons	19506..19820		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o14.tm	Method	TBLASTX:Maize
Start	19853	End	20668
GI	none	Score	124
Exons	19853..19975, 20057..20152, 20240..20482, 20546..20668		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o4.ts	Method	TBLASTX:Soybean
Start	22921	End	23320
GI	none	Score	68
Exons	22921..22986, 23068..23307, 23096..23176, 23213..23320		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o7.tm	Method	TBLASTX:Maize
Start	23059	End	23560
GI	none	Score	341
Exons	23059..23553, 23071..23484, 23096..23560		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
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Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o3.np	Method	AAT/NAP
Start	34298	End	39622
GI	6069646	Score	901
Exons	34298..35284, 35567..36369, 39599..39622		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi 6907112 dbj BAA90639.1 (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9013 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o15.tm	Method	TBLASTX:Maize
Start	34503	End	34783
GI	none	Score	40
Exons	34503..34652, 34505..34654, 34666..34779, 34676..34783		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o6.gs	Method	GENSCAN
Start	34847	End	35797
GI	none	Score	.86
Exons	34847..35356, 35636..35797		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o17.tm	Method	TBLASTX:Maize
Start	35114	End	35339
GI	none	Score	120
Exons	35114..35338, 35115..35339		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o7.ts	Method	TBLASTX:Soybean
Start	35192	End	35731
GI	none	Score	137
Exons	35192..35320, 35381..35731		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o6.tw	Method	TBLASTX:Wheat
Start	35270	End	35708
GI	none	Score	103
Exons	35270..35428, 35414..35704, 35418..35708		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o12.tm	Method	TBLASTX:Maize
Start	35351	End	35963

GI	none	Score	67
Exons	35351..35962, 35883..35963		
Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o9.tm	Method	TBLASTX:Maize
Start	35966	End	36382
GI	none	Score	293
Exons	35966..36382, 35967..36380		
Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o9.tw	Method	TBLASTX:Wheat
Start	36137	End	36472
GI	none	Score	86
Exons	36137..36343, 36332..36472		
Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o2.gp	Method	AAT/GAP
Start	37278	End	37537
GI	LIB3433-061-P1-K1-E2	Score	393
Exons	37278..37537		
GI Descrip.	'2828290/emb CAA16704.1 6.0e-12 (AL021687) ankyrin-like protein [Arabidopsis thaliana]'		
Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o1.tc	Method	TBLASTX:Cress
Start	37750	End	38454
GI	none	Score	38
Exons	37750..37791, 37788..37997, 37804..38004, 38106..38183, 38116..38184, 38267..38452, 38272..38454		
Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o3.gp	Method	AAT/GAP
Start	37753	End	38365
GI	LIB3432-011-P1-K1-F6	Score	679
Exons	37753..37995, 38107..38184, 38273..38365		
GI Descrip.	'4455159/emb CAA16701.1 7.0e-15 (AL021687) putative protein [Arabidopsis thaliana]'		
Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o4.np	Method	AAT/NAP
Start	37769	End	40711
GI	4455159	Score	823
Exons	37769..37995, 38128..38184, 38273..38813, 40679..40711		
GI Descrip.	(AL021687) putative protein [Arabidopsis thaliana]		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o7.gs	Method	GENSCAN
Start	37776	End	39505
GI	none	Score	.67
Exons	37776..37995, 38273..38598, 38657..38806, 39437..39505		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	37788	End	38483
GI	none	Score	224
Exons	37788..37997, 37791..37997, 37792..37998, 37793..38005, 38101..38184, 38106..38192, 38106..38183, 38267..38461, 38272..38439, 38427..38483		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	37848	End	38751
GI	none	Score	73
Exons	37848..37997, 38106..38183, 38267..38386, 38272..38358, 38371..38430, 38381..38431, 38527..38574, 38629..38751		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o8.tw	Method	TBLASTX:Wheat
Start	37929	End	38539
GI	none	Score	76
Exons	37929..37997, 38106..38183, 38272..38322, 38341..38535, 38342..38539		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o2.tc	Method	TBLASTX:Cress
Start	38458	End	38751
GI	none	Score	119
Exons	38458..38607, 38459..38602, 38620..38697, 38624..38698, 38713..38751		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o13.tm	Method	TBLASTX:Maize
Start	38485	End	38778
GI	none	Score	131
Exons	38485..38607, 38492..38602, 38620..38730, 38624..38737, 38719..38778		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711

Name	OJ990318_14.9922.C10.o4.gp	Method	AAT/GAP
Start	38537	End	38811
GI	428158	Score	534
Exons	38537..38811		
GI Descrip.	4455159/emb CAA16701.1 7.0e-15 (AL021687) putative protein [Arabidopsis thaliana]		

Seq. No.	34977	Seq. ID	OJ990318_14.9922.C10
Gene No.	72265	Strand	-
Start	34298	End	40711
Name	OJ990318_14.9922.C10.o8.gs	Method	GENSCAN
Start	40379	End	40637
GI	none	Score	.72
Exons	40379..40530, 40561..40637		

Seq. No.	34978	Seq. ID	OJ990818_12.9924.C1
Gene No.	72266	Strand	+
Start	200	End	296
Name	OJ990818_12.9924.C1.o1.gs	Method	GENSCAN
Start	200	End	296
GI	none	Score	.93
Exons	200..296		

Seq. No.	34978	Seq. ID	OJ990818_12.9924.C1
Gene No.	72267	Strand	-
Start	1	End	470
Name	OJ990818_12.9924.C1.o1.np	Method	AAT/NAP
Start	1	End	470
GI	133351	Score	828
Exons	1..470		
GI Descrip.	REPRESSOR PROTEIN CI gi 540747 pir S04828 repressor protein cI - phage phi-80 gi 14804 emb CAA31471 (X13065) cI gene (AA 1 - 236) [Bacteriophage phi-80]		

Seq. No.	34979	Seq. ID	OJ990818_12.9924.C3
Gene No.	72268	Strand	+
Start	1	End	513
Name	OJ990818_12.9924.C3.o1.np	Method	AAT/NAP
Start	1	End	510
GI	4680179	Score	716
Exons	1..510		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	34979	Seq. ID	OJ990818_12.9924.C3
Gene No.	72268	Strand	+
Start	1	End	513
Name	OJ990818_12.9924.C3.o1.gs	Method	GENSCAN
Start	62	End	513
GI	none	Score	.9
Exons	62..513		

Seq. No.	34979	Seq. ID	OJ990818_12.9924.C3
Gene No.	72268	Strand	+
Start	1	End	513
Name	OJ990818_12.9924.C3.o1.tw	Method	TBLASTX:Wheat
Start	76	End	414
GI	none	Score	392

Exons 76..414, 76..261, 117..401

Seq. No.	34979	Seq. ID	OJ990818_12.9924.C3
Gene No.	72268	Strand	+
Start	1	End	513
Name	OJ990818_12.9924.C3.o1.tm	Method	TBLASTX:Maize
Start	108	End	369
GI	none	Score	299
Exons	108..368, 109..369		

Seq. No.	34980	Seq. ID	OJ990818_12.9924.C4
Gene No.	72269	Strand	-
Start	1	End	2394
Name	OJ990818_12.9924.C4.o1.np	Method	AAT/NAP
Start	1	End	2394
GI	5042454	Score	148
Exons	1..28, 301..476, 693..1133, 2362..2394		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	34980	Seq. ID	OJ990818_12.9924.C4
Gene No.	72270	Strand	-
Start	3578	End	5442
Name	OJ990818_12.9924.C4.o2.np	Method	AAT/NAP
Start	3578	End	5442
GI	5911167	Score	957
Exons	3578..5442		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	34980	Seq. ID	OJ990818_12.9924.C4
Gene No.	72270	Strand	-
Start	3578	End	5442
Name	OJ990818_12.9924.C4.o2.tm	Method	TBLASTX:Maize
Start	3707	End	4170
GI	none	Score	149
Exons	3707..3934, 3710..3877, 3712..3882, 3735..3887, 3917..4168, 3921..4169, 3940..4170		

Seq. No.	34980	Seq. ID	OJ990818_12.9924.C4
Gene No.	72270	Strand	-
Start	3578	End	5442
Name	OJ990818_12.9924.C4.o1.tw	Method	TBLASTX:Wheat
Start	4284	End	4585
GI	none	Score	107
Exons	4284..4571, 4325..4585		

Seq. No.	34980	Seq. ID	OJ990818_12.9924.C4
Gene No.	72270	Strand	-
Start	3578	End	5442
Name	OJ990818_12.9924.C4.o1.tm	Method	TBLASTX:Maize
Start	4325	End	4793
GI	none	Score	189
Exons	4325..4627, 4325..4642, 4326..4631, 4634..4792, 4640..4786, 4644..4793		

Seq. No.	34980	Seq. ID	OJ990818_12.9924.C4
Gene No.	72270	Strand	-
Start	3578	End	5442

Name	OJ990818_12.9924.C4.o1.tc	Method	TBLASTX:Cress
Start	4370	End	4705
GI	none	Score	57
Exons	4370..4591, 4428..4523, 4605..4703, 4613..4705		

Seq. No.	34981	Seq. ID	OJ990818_12.9924.C5
Gene No.	72271	Strand	-
Start	47	End	309
Name	OJ990818_12.9924.C5.o1.gs	Method	GENSCAN
Start	47	End	309
GI	none	Score	.49
Exons	47..309		

Seq. No.	34981	Seq. ID	OJ990818_12.9924.C5
Gene No.	72272	Strand	-
Start	1664	End	4370
Name	OJ990818_12.9924.C5.o2.gs	Method	GENSCAN
Start	1664	End	3860
GI	none	Score	.49
Exons	1664..1711, 2964..3537, 3634..3860		

Seq. No.	34981	Seq. ID	OJ990818_12.9924.C5
Gene No.	72272	Strand	-
Start	1664	End	4370
Name	OJ990818_12.9924.C5.o1.np	Method	AAT/NAP
Start	2928	End	4370
GI	6166036	Score	823
Exons	2928..3967, 4326..4370		
GI Descrip.	CYTOCHROME P450 51 (CYPL1) (P450-L1A1) (OBTUSIFOLIOL 14-ALPHA DEMETHYLASE) gi 1707857 emb CAA70475 (Y09291) obtusifoliol 14-alpha-demethylase [Triticum aestivum]		

Seq. No.	34981	Seq. ID	OJ990818_12.9924.C5
Gene No.	72272	Strand	-
Start	1664	End	4370
Name	OJ990818_12.9924.C5.o1.tc	Method	TBLASTX:Cress
Start	2937	End	3176
GI	none	Score	110
Exons	2937..3167, 2940..3176		

Seq. No.	34981	Seq. ID	OJ990818_12.9924.C5
Gene No.	72272	Strand	-
Start	1664	End	4370
Name	OJ990818_12.9924.C5.o1.tm	Method	TBLASTX:Maize
Start	2937	End	3968
GI	none	Score	102
Exons	2937..3170, 2940..3164, 3147..3404, 3148..3198, 3156..3404, 3253..3405, 3447..3623, 3514..3621, 3627..3695, 3690..3767, 3750..3872, 3751..3960, 3927..3968		

Seq. No.	34981	Seq. ID	OJ990818_12.9924.C5
Gene No.	72272	Strand	-
Start	1664	End	4370
Name	OJ990818_12.9924.C5.o1.ts	Method	TBLASTX:Soybean
Start	2940	End	3633
GI	none	Score	86
Exons	2940..3170, 2962..3078, 3013..3174, 3027..3170, 3136..3171,		

3147..3404, 3447..3542, 3543..3623, 3550..3633

Seq. No.	34981	Seq. ID	OJ990818_12.9924.C5
Gene No.	72272	Strand	-
Start	1664	End	4370
Name	OJ990818_12.9924.C5.o2.tc	Method	TBLASTX:Cress
Start	3273	End	3633
GI	none	Score	65
Exons	3273..3398, 3277..3378, 3447..3623, 3517..3633		

Seq. No.	34982	Seq. ID	OJ990818_12.9924.C6
Gene No.	72273	Strand	+
Start	261	End	976
Name	OJ990818_12.9924.C6.o1.gs	Method	GENSCAN
Start	261	End	976
GI	none	Score	.56
Exons	261..266, 645..771, 933..976		

Seq. No.	34982	Seq. ID	OJ990818_12.9924.C6
Gene No.	72274	Strand	-
Start	1	End	74
Name	OJ990818_12.9924.C6.o1.gp	Method	AAT/GAP
Start	1	End	74
GI	LIB3477-003-P1-K1-E9	Score	127

Exons 1..74

GI Descrip. '2498586/sp|Q40638|MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	34982	Seq. ID	OJ990818_12.9924.C6
Gene No.	72275	Strand	-
Start	2082	End	2973
Name	OJ990818_12.9924.C6.o2.gs	Method	GENSCAN
Start	2082	End	2930
GI	none	Score	.98
Exons	2082..2183, 2472..2930		

Seq. No.	34982	Seq. ID	OJ990818_12.9924.C6
Gene No.	72275	Strand	-
Start	2082	End	2973
Name	OJ990818_12.9924.C6.o1.ts	Method	TBLASTX:Soybean
Start	2468	End	2790
GI	none	Score	40
Exons	2468..2500, 2472..2693, 2472..2696, 2506..2700, 2712..2783, 2722..2790		

Seq. No.	34982	Seq. ID	OJ990818_12.9924.C6
Gene No.	72275	Strand	-
Start	2082	End	2973
Name	OJ990818_12.9924.C6.o1.np	Method	AAT/NAP
Start	2472	End	2973
GI	4835788	Score	177
Exons	2472..2973		
GI Descrip.	(AC007296) Strong similarity to gb U74319 obtusifolios 14-alpha demethylase (CYP51) from Sorghum bicolor and is a member of the PF 00067 cytochrome P450 family. ESTs gb AA72030, gb N65031 and gb AA651059 come from ...		

Seq. No.	34982	Seq. ID	OJ990818_12.9924.C6
Gene No.	72275	Strand	-
Start	2082	End	2973
Name	OJ990818_12.9924.C6.ol.tc	Method	TBLASTX:Cress
Start	2472	End	2783
GI	none	Score	70
Exons	2472..2699, 2632..2700, 2712..2783, 2713..2763		

Seq. No.	34983	Seq. ID	OJ990818_12.9924.C7
Gene No.	72276	Strand	+
Start	12471	End	12626
Name	OJ990818_12.9924.C7.o2.gp	Method	AAT/GAP
Start	12471	End	12626
GI	533_1.R1084	Score	173
Exons	12471..12563, 12586..12626		
GI Descrip.	'113172/sp P15543 ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir_S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	34983	Seq. ID	OJ990818_12.9924.C7
Gene No.	72277	Strand	-
Start	895	End	22052
Name	OJ990818_12.9924.C7.ol.gs	Method	GENSCAN
Start	895	End	22052
GI	none	Score	.63
Exons	895..1013, 1733..1909, 1982..2174, 4883..4990, 6538..7198, 7504..7844, 8294..8841, 9215..9303, 10170..10246, 11513..11683, 11711..11943, 12959..13248, 14116..14284, 14407..14657, 15279..15338, 15407..15505, 15861..15894, 15987..16046, 16254..16354, 16574..16639, 16940..17070, 17205..17276, 17883..18056, 18163..18198, 18402..18476, 18558..18891, 19007..19149, 20334..20440, 21317..21594, 21814..22052		

Seq. No.	34983	Seq. ID	OJ990818_12.9924.C7
Gene No.	72277	Strand	-
Start	895	End	22052
Name	OJ990818_12.9924.C7.ol.tc	Method	TBLASTX:Cress
Start	6511	End	6786
GI	none	Score	144
Exons	6511..6762, 6514..6786		

Seq. No.	34983	Seq. ID	OJ990818_12.9924.C7
Gene No.	72277	Strand	-
Start	895	End	22052
Name	OJ990818_12.9924.C7.ol.tm	Method	TBLASTX:Maize
Start	6511	End	7847
GI	none	Score	263
Exons	6511..6984, 6514..6987, 7007..7186, 7015..7188, 7176..7205, 7542..7646, 7570..7647, 7629..7751, 7630..7839, 7806..7847		

Seq. No.	34983	Seq. ID	OJ990818_12.9924.C7
Gene No.	72277	Strand	-
Start	895	End	22052
Name	OJ990818_12.9924.C7.ol.ts	Method	TBLASTX:Soybean
Start	6514	End	7198

GI	none	Score	100
Exons	6514..6780, 6514..6975, 6536..6784, 7010..7099, 7015..7107, 7108..7188, 7115..7198		

Seq. No.	34983	Seq. ID	OJ990818_12.9924.C7
Gene No.	72277	Strand	-
Start	895	End	22052
Name	OJ990818_12.9924.C7.o2.tc	Method	TBLASTX:Cress
Start	6850	End	7198
GI	none	Score	73
Exons	6850..6990, 6880..6990, 7007..7198, 7015..7188		

Seq. No.	34983	Seq. ID	OJ990818_12.9924.C7
Gene No.	72277	Strand	-
Start	895	End	22052
Name	OJ990818_12.9924.C7.o3.tc	Method	TBLASTX:Cress
Start	7629	End	8581
GI	none	Score	90
Exons	7629..7751, 7630..7845, 7806..7847, 8294..8521, 8309..8521, 8316..8522, 8534..8581, 8538..8573		

Seq. No.	34983	Seq. ID	OJ990818_12.9924.C7
Gene No.	72277	Strand	-
Start	895	End	22052
Name	OJ990818_12.9924.C7.o3.gp	Method	AAT/GAP
Start	14074	End	15337
GI	uC-osflcyp143f08b1	Score	936
Exons	14074..14284, 14407..14657, 15279..15337		
GI Descrip.	'2190547 5.0e-56 (AC001229) ESTs gb_T43256,gb_46316,gb_N64930,gb_AA395255,gb_AA404382 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	34983	Seq. ID	OJ990818_12.9924.C7
Gene No.	72277	Strand	-
Start	895	End	22052
Name	OJ990818_12.9924.C7.o2.tm	Method	TBLASTX:Maize
Start	14112	End	17062
GI	none	Score	94
Exons	14112..14234, 14113..14196, 14114..14251, 14247..14285, 14251..14289, 14406..14618, 14408..14674, 14409..14618, 15278..15337, 15280..15339, 15394..15504, 15395..15511, 15398..15505, 15406..15507, 15408..15512, 15859..15897, 15860..15895, 15860..15898, 15981..16052, 15985..16050, 15986..16054, 15999..16055, 16071..16103, 16243..16353, 16251..16355, 16253..16360, 16256..16354, 16551..16646, 16568..16639, 16573..16647, 16573..16662, 16575..16661, 16938..17060, 16939..17061, 16943..17062, 16949..17062		

Seq. No.	34983	Seq. ID	OJ990818_12.9924.C7
Gene No.	72277	Strand	-
Start	895	End	22052
Name	OJ990818_12.9924.C7.o1.np	Method	AAT/NAP
Start	14115	End	18062
GI	2190547	Score	1224
Exons	14115..14284, 14407..14657, 15279..15338, 15407..15505, 15861..15894, 15987..16046, 16254..16354, 16574..16639, 16912..17070, 17205..17276, 17945..18062		

GI Descrip. (AC001229) ESTs
 gb|T43256,gb|46316,gb|N64930,gb|AA395255,gb|AA404382 come from
 this gene. [Arabidopsis thaliana]

Seq. No.	34983	Seq. ID	OJ990818_12.9924.C7
Gene No.	72277	Strand	-
Start	895	End	22052
Name	OJ990818_12.9924.C7.o2.ts	Method	TBLASTX:Soybean
Start	14408	End	16326
GI	none	Score	187
Exons	14408..14614, 14409..14618, 15271..15339, 15278..15337, 15394..15504, 15439..15507, 16255..16326		

Seq. No.	34983	Seq. ID	OJ990818_12.9924.C7
Gene No.	72277	Strand	-
Start	895	End	22052
Name	OJ990818_12.9924.C7.o3.tm	Method	TBLASTX:Maize
Start	17205	End	18204
GI	none	Score	74
Exons	17205..17258, 17205..17255, 17206..17259, 17243..17281, 17248..17277, 17946..18071, 17947..18057, 18163..18204, 18168..18200		

Seq. No.	34984	Seq. ID	OJ990818_12.9924.C8
Gene No.	72278	Strand	+
Start	1374	End	3163
Name	OJ990818_12.9924.C8.o1.gs	Method	GENSCAN
Start	1374	End	3027
GI	none	Score	.82
Exons	1374..1491, 1761..1842, 1894..2263, 2578..3027		

Seq. No.	34984	Seq. ID	OJ990818_12.9924.C8
Gene No.	72278	Strand	+
Start	1374	End	3163
Name	OJ990818_12.9924.C8.o1.np	Method	AAT/NAP
Start	1665	End	3163
GI	2443890	Score	465
Exons	1665..1842, 1950..2263, 2578..2660, 3121..3163		
GI Descrip.	(AC002294) similar to NAM (gp X92205 1321924) and CUC2 (gp AB002560 1944132) proteins [Arabidopsis thaliana]		

Seq. No.	34984	Seq. ID	OJ990818_12.9924.C8
Gene No.	72278	Strand	+
Start	1374	End	3163
Name	OJ990818_12.9924.C8.o2.tw	Method	TBLASTX:Wheat
Start	1685	End	1841
GI	none	Score	63
Exons	1685..1840, 1699..1833, 1701..1841		

Seq. No.	34984	Seq. ID	OJ990818_12.9924.C8
Gene No.	72278	Strand	+
Start	1374	End	3163
Name	OJ990818_12.9924.C8.o1.tc	Method	TBLASTX:Cress
Start	1694	End	2616
GI	none	Score	195
Exons	1694..1840, 1695..1847, 1942..2079, 1949..2080, 2098..2196, 2099..2200, 2545..2616		

Seq. No.	34984	Seq. ID	OJ990818_12.9924.C8
Gene No.	72278	Strand	+
Start	1374	End	3163
Name	OJ990818_12.9924.C8.ol.tm	Method	TBLASTX:Maize
Start	1699	End	2613
GI	none	Score	66
Exons	1699..1836, 1701..1841, 1703..1840, 1951..2079, 1952..2080, 2101..2193, 2105..2200, 2572..2613		

Seq. No.	34984	Seq. ID	OJ990818_12.9924.C8
Gene No.	72278	Strand	+
Start	1374	End	3163
Name	OJ990818_12.9924.C8.ol.ts	Method	TBLASTX:Soybean
Start	1700	End	2613
GI	none	Score	165
Exons	1700..1756, 1701..1841, 1707..1844, 1720..1845, 1951..2079, 1952..2080, 2104..2193, 2105..2200, 2572..2613		

Seq. No.	34984	Seq. ID	OJ990818_12.9924.C8
Gene No.	72278	Strand	+
Start	1374	End	3163
Name	OJ990818_12.9924.C8.ol.tw	Method	TBLASTX:Wheat
Start	1958	End	2199
GI	none	Score	264
Exons	1958..2194, 1960..2190, 1975..2199		

Seq. No.	34985	Seq. ID	OJ990818_12.9924.C9
Gene No.	72279	Strand	-
Start	2772	End	7332
Name	OJ990818_12.9924.C9.ol.gp	Method	AAT/GAP
Start	2772	End	4126
GI	3759666	Score	1172
Exons	2772..2793, 2843..3274, 3914..4126		
GI Descrip.	5757804/gb AAD50592.1 AF093752_1 1.0e-12 (AF093752) phytochelatin synthase [Triticum aestivum]		

Seq. No.	34985	Seq. ID	OJ990818_12.9924.C9
Gene No.	72279	Strand	-
Start	2772	End	7332
Name	OJ990818_12.9924.C9.ol.np	Method	AAT/NAP
Start	3194	End	6452
GI	5757804	Score	1640
Exons	3194..3274, 3914..4417, 4501..4728, 4824..4875, 5718..5881, 5983..6452		
GI Descrip.	(AF093752) phytochelatin synthase [Triticum aestivum]		

Seq. No.	34985	Seq. ID	OJ990818_12.9924.C9
Gene No.	72279	Strand	-
Start	2772	End	7332
Name	OJ990818_12.9924.C9.ol.tc	Method	TBLASTX:Cress
Start	3209	End	6476
GI	none	Score	92
Exons	3209..3277, 3911..4057, 4088..4219, 4244..4315, 4489..4728, 4502..4726, 5702..5884, 5708..5938, 5935..6093, 6099..6476, 6100..6435		

Seq. No.	34985	Seq. ID	OJ990818_12.9924.C9
Gene No.	72279	Strand	-
Start	2772	End	7332
Name	OJ990818_12.9924.C9.o2.gs	Method	GENSCAN
Start	3881	End	7332
GI	none	Score	.54
Exons	3881..4417, 4501..4616, 5074..5225, 5718..5881, 5983..6078, 6165..6597, 7286..7332		

Seq. No.	34985	Seq. ID	OJ990818_12.9924.C9
Gene No.	72279	Strand	-
Start	2772	End	7332
Name	OJ990818_12.9924.C9.o1.ts	Method	TBLASTX:Soybean
Start	4525	End	5858
GI	none	Score	96
Exons	4525..4665, 5702..5857, 5717..5857, 5718..5858		

Seq. No.	34985	Seq. ID	OJ990818_12.9924.C9
Gene No.	72279	Strand	-
Start	2772	End	7332
Name	OJ990818_12.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	6013	End	6491
GI	none	Score	396
Exons	6013..6096, 6099..6491, 6100..6447		

Seq. No.	34985	Seq. ID	OJ990818_12.9924.C9
Gene No.	72279	Strand	-
Start	2772	End	7332
Name	OJ990818_12.9924.C9.o2.ts	Method	TBLASTX:Soybean
Start	6231	End	6449
GI	none	Score	139
Exons	6231..6356, 6235..6351, 6378..6449, 6382..6438		

Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72280	Strand	+
Start	9087	End	15306
Name	OJ990818_12.9924.C10.o3.gs	Method	GENSCAN
Start	9087	End	15306
GI	none	Score	.53
Exons	9087..9143, 9650..9801, 10741..10845, 12267..12366, 13442..14176, 14305..14392, 14552..15306		

Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72280	Strand	+
Start	9087	End	15306
Name	OJ990818_12.9924.C10.o1.gp	Method	AAT/GAP
Start	13267	End	13784
GI	uC-osrocyp010h01b1	Score	945
Exons	13267..13784		
GI Descrip.	'2213600 3.0e-16 (AC000348) T7N9.20 [Arabidopsis thaliana]'		

Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72280	Strand	+
Start	9087	End	15306
Name	OJ990818_12.9924.C10.o1.np	Method	AAT/NAP
Start	13353	End	15273
GI	2213600	Score	1272

Exons 13353..14176, 14287..15273
GI Descrip. (AC000348) T7N9.20 [Arabidopsis thaliana]

Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72281	Strand	+
Start	17227	End	18133
Name	OJ990818_12.9924.C10.o2.gp	Method	AAT/GAP
Start	17156	End	17449
GI	287048	Score	553
Exons	17156..17449		

Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72281	Strand	+
Start	17227	End	18133
Name	OJ990818_12.9924.C10.o4.gs	Method	GENSCAN
Start	17227	End	17862
GI	none	Score	.69
Exons	17227..17862		

Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72281	Strand	+
Start	17227	End	18133
Name	OJ990818_12.9924.C10.o3.gp	Method	AAT/GAP
Start	17627	End	18133
GI	3763610	Score	984
Exons	17627..18133		

Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72282	Strand	-
Start	17204	End	18769
Name	OJ990818_12.9924.C10.o3.tc	Method	TBLASTX:Cress
Start	13406	End	13753
GI	none	Score	59
Exons	13406..13495, 13508..13678, 13511..13753		

Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72282	Strand	-
Start	17204	End	18769
Name	OJ990818_12.9924.C10.o2.tm	Method	TBLASTX:Maize
Start	13415	End	13927
GI	none	Score	56
Exons	13415..13480, 13510..13575, 13511..13927, 13550..13915, 13639..13917		

Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72282	Strand	-
Start	17204	End	18769
Name	OJ990818_12.9924.C10.o2.ts	Method	TBLASTX:Soybean
Start	13506	End	13960
GI	none	Score	67
Exons	13506..13724, 13508..13918, 13511..13960, 13636..13929		

Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72282	Strand	-
Start	17204	End	18769
Name	OJ990818_12.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	14111	End	15035

GI	none	Score	77
Exons	14111..14185, 14113..14178, 14282..14356, 14302..15033, 14304..14618, 14655..15035		
Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72282	Strand	-
Start	17204	End	18769
Name	OJ990818_12.9924.C10.o1.ts	Method	TBLASTX:Soybean
Start	14275	End	15240
GI	none	Score	332
Exons	14275..14640, 14319..14612, 14653..14823, 14655..14822, 14847..15239, 14848..15240		
Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72282	Strand	-
Start	17204	End	18769
Name	OJ990818_12.9924.C10.o2.tc	Method	TBLASTX:Cress
Start	14296	End	14616
GI	none	Score	279
Exons	14296..14616, 14298..14615		
Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72282	Strand	-
Start	17204	End	18769
Name	OJ990818_12.9924.C10.o1.tw	Method	TBLASTX:Wheat
Start	14626	End	15006
GI	none	Score	204
Exons	14626..14871, 14628..14702, 14721..14870, 14862..15002, 14869..15006		
Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72282	Strand	-
Start	17204	End	18769
Name	OJ990818_12.9924.C10.o1.tc	Method	TBLASTX:Cress
Start	14653	End	15006
GI	none	Score	411
Exons	14653..14925, 14654..14911, 14655..14921, 14919..14972, 14923..15006		
Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72282	Strand	-
Start	17204	End	18769
Name	OJ990818_12.9924.C10.o4.tc	Method	TBLASTX:Cress
Start	15010	End	15252
GI	none	Score	208
Exons	15010..15240, 15012..15176, 15016..15252		
Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72282	Strand	-
Start	17204	End	18769
Name	OJ990818_12.9924.C10.o3.tm	Method	TBLASTX:Maize
Start	15038	End	15276
GI	none	Score	109
Exons	15038..15211, 15039..15224, 15040..15276, 15042..15257		
Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72282	Strand	-

Start	17204	End	18769
Name	OJ990818_12.9924.C10.o2.tw	Method	TBLASTX:Wheat
Start	15080	End	15309
GI	none	Score	120
Exons	15080..15256, 15081..15224, 15081..15305, 15082..15306, 15094..15309		

Seq. No.	34986	Seq. ID	OJ990818_12.9924.C10
Gene No.	72282	Strand	-
Start	17204	End	18769
Name	OJ990818_12.9924.C10.o2.np	Method	AAT/NAP
Start	17204	End	18769
GI	4584539	Score	85
Exons	17204..17410, 17650..17741, 18726..18769		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	34987	Seq. ID	OJ990818_12.9924.C11
Gene No.	72283	Strand	+
Start	197	End	2076
Name	OJ990818_12.9924.C11.o1.gs	Method	GENSCAN
Start	197	End	2035
GI	none	Score	.77
Exons	197..671, 796..1876, 1963..2035		

Seq. No.	34987	Seq. ID	OJ990818_12.9924.C11
Gene No.	72283	Strand	+
Start	197	End	2076
Name	OJ990818_12.9924.C11.o1.tc	Method	TBLASTX:Cress
Start	870	End	1289
GI	none	Score	258
Exons	870..1289, 1148..1288		

Seq. No.	34987	Seq. ID	OJ990818_12.9924.C11
Gene No.	72283	Strand	+
Start	197	End	2076
Name	OJ990818_12.9924.C11.o1.tm	Method	TBLASTX:Maize
Start	1100	End	2076
GI	none	Score	426
Exons	1100..1537, 1101..1538, 1104..1538, 1590..1877, 1599..1871, 1637..1879, 1957..2076, 1961..2065		

Seq. No.	34988	Seq. ID	OJ990818_12.9924.C12
Gene No.	72284	Strand	+
Start	1723	End	5414
Name	OJ990818_12.9924.C12.o1.gs	Method	GENSCAN
Start	1723	End	3006
GI	none	Score	.81
Exons	1723..1903, 1994..2112, 2156..2338, 2492..2516, 2828..3006		

Seq. No.	34988	Seq. ID	OJ990818_12.9924.C12
Gene No.	72284	Strand	+
Start	1723	End	5414
Name	OJ990818_12.9924.C12.o1.np	Method	AAT/NAP
Start	1952	End	5414
GI	5922620	Score	301
Exons	1952..1999, 2037..2095, 3386..3534, 3711..3994, 5191..5274, 5307..5414		

GI Descrip. (AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]
gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	34988	Seq. ID	OJ990818_12.9924.C12
Gene No.	72285	Strand	+
Start	6207	End	9951
Name	OJ990818_12.9924.C12.o3.gs	Method	GENSCAN
Start	6207	End	9951
GI	none	Score	.54
Exons	6207..6385, 6772..6899, 7296..7928, 8150..8238, 8422..8444, 8458..8639, 8881..9057, 9154..9191, 9844..9951		

Seq. No.	34988	Seq. ID	OJ990818_12.9924.C12
Gene No.	72285	Strand	+
Start	6207	End	9951
Name	OJ990818_12.9924.C12.o1.gp	Method	AAT/GAP
Start	8760	End	9513
GI	98160_1.R1084	Score	1427
Exons	8760..9513		

GI Descrip. U176420|dbj|BAA37167.2|2.0e-11 (AB008097) cytochrome P450
[Arabidopsis thaliana]

Seq. No.	34988	Seq. ID	OJ990818_12.9924.C12
Gene No.	72286	Strand	+
Start	10851	End	12088
Name	OJ990818_12.9924.C12.o4.gs	Method	GENSCAN
Start	10851	End	12024
GI	none	Score	.52
Exons	10851..12024		

Seq. No.	34988	Seq. ID	OJ990818_12.9924.C12
Gene No.	72286	Strand	+
Start	10851	End	12088
Name	OJ990818_12.9924.C12.o3.np	Method	AAT/NAP
Start	11331	End	12088
GI	6606266	Score	411
Exons	11331..12088		
GI Descrip.	(AF158634) Vrgal [Triticum ventricosum]		

Seq. No.	34988	Seq. ID	OJ990818_12.9924.C12
Gene No.	72287	Strand	-
Start	3189	End	5545
Name	OJ990818_12.9924.C12.o2.gs	Method	GENSCAN
Start	3189	End	5545
GI	none	Score	.65
Exons	3189..3734, 4111..4181, 4797..4886, 4955..4975, 5500..5545		

Seq. No.	34988	Seq. ID	OJ990818_12.9924.C12
Gene No.	72288	Strand	-
Start	5554	End	5631
Name	OJ990818_12.9924.C12.o2.np	Method	AAT/NAP
Start	5554	End	5631
GI	6630699	Score	81
Exons	5554..5631		

GI Descrip. (AP000969) hypothetical protein [Oryza sativa]
gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein
[Oryza sativa]

Seq. No.	34988	Seq. ID	OJ990818_12.9924.C12
Gene No.	72289	Strand	
Start	7370	End	8875
Name	OJ990818_12.9924.C12.o1.tc	Method	TBLASTX:Cress
Start	7370	End	8875
GI	none	Score	137
Exons	7370..7591, 7652..7825, 7654..7788, 8663..8875		

Seq. No.	34988	Seq. ID	OJ990818_12.9924.C12
Gene No.	72289	Strand	
Start	7370	End	8875
Name	OJ990818_12.9924.C12.o1.tm	Method	TBLASTX:Maize
Start	7613	End	8635
GI	none	Score	421
Exons	7613..7996, 7651..7995, 8092..8316, 8104..8334, 8112..8360, 8315..8374, 8316..8381, 8462..8572, 8573..8635		

Seq. No.	34988	Seq. ID	OJ990818_12.9924.C12
Gene No.	72290	Strand	
Start	11436	End	12034
Name	OJ990818_12.9924.C12.o1.ts	Method	TBLASTX:Soybean
Start	11436	End	12017
GI	none	Score	72
Exons	11436..11501, 11496..11597, 11610..11705, 11724..12017, 11738..11833, 11939..12001		

Seq. No.	34988	Seq. ID	OJ990818_12.9924.C12
Gene No.	72290	Strand	
Start	11436	End	12034
Name	OJ990818_12.9924.C12.o2.tm	Method	TBLASTX:Maize
Start	11750	End	12034
GI	none	Score	313
Exons	11750..12028, 11751..12029, 11752..12033, 11753..12034		

Seq. No.	34989	Seq. ID	OJ990818_12.9924.C13
Gene No.	72291	Strand	+
Start	1	End	2814
Name	OJ990818_12.9924.C13.o1.np	Method	AAT/NAP
Start	1	End	2814
GI	6606266	Score	150
Exons	1..415, 2791..2814		
GI Descrip.	(AF158634) Vrgal [Triticum ventricosum]		

Seq. No.	34989	Seq. ID	OJ990818_12.9924.C13
Gene No.	72292	Strand	-
Start	2759	End	3440
Name	OJ990818_12.9924.C13.o2.np	Method	AAT/NAP
Start	2759	End	3440
GI	5702196	Score	102
Exons	2759..2991, 3223..3440		
GI Descrip.	(AF107293) rust resistance protein [Zea mays]		

Seq. No.	34989	Seq. ID	OJ990818_12.9924.C13
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Gene No.	72292	Strand	-
Start	2759	End	3440
Name	OJ990818_12.9924.C13.o1.gp	Method	AAT/GAP
Start	2985	End	3349
GI	2798530	Score	666
Exons	2985..3349		

Seq. No.	34990	Seq. ID	OJ990818_12.9924.C14
Gene No.	72293	Strand	-
Start	1	End	5185
Name	OJ990818_12.9924.C14.o1.np	Method	AAT/NAP
Start	1	End	3595
GI	6606266	Score	1028
Exons	1..1758, 1976..2246, 3573..3595		
GI Descrip.	(AF158634) Vrgal [Triticum ventricosum]		

Seq. No.	34990	Seq. ID	OJ990818_12.9924.C14
Gene No.	72293	Strand	-
Start	1	End	5185
Name	OJ990818_12.9924.C14.o2.tm	Method	TBLASTX:Maize
Start	6	End	191
GI	none	Score	105
Exons	6..143, 6..191, 7..174		

Seq. No.	34990	Seq. ID	OJ990818_12.9924.C14
Gene No.	72293	Strand	-
Start	1	End	5185
Name	OJ990818_12.9924.C14.o1.gs	Method	GENSCAN
Start	29	End	5185
GI	none	Score	.74
Exons	29..2485, 2723..2912, 3239..3430, 4157..4291, 5174..5185		

Seq. No.	34990	Seq. ID	OJ990818_12.9924.C14
Gene No.	72293	Strand	-
Start	1	End	5185
Name	OJ990818_12.9924.C14.o1.ts	Method	TBLASTX:Soybean
Start	363	End	1223
GI	none	Score	55
Exons	363..491, 483..596, 774..878, 864..938, 865..930, 957..1112, 957..1106, 1107..1223		

Seq. No.	34990	Seq. ID	OJ990818_12.9924.C14
Gene No.	72293	Strand	-
Start	1	End	5185
Name	OJ990818_12.9924.C14.o1.tm	Method	TBLASTX:Maize
Start	873	End	1343
GI	none	Score	71
Exons	873..926, 948..1118, 1110..1343, 1117..1311		

Seq. No.	34991	Seq. ID	OJ990818_12.9924.C15
Gene No.	72294	Strand	-
Start	189	End	295
Name	OJ990818_12.9924.C15.o1.gs	Method	GENSCAN
Start	189	End	295
GI	none	Score	.45
Exons	189..295		

Seq. No.	34992	Seq. ID	OJ990818_12.9924.C17
Gene No.	72295	Strand	+
Start	41	End	473
Name	OJ990818_12.9924.C17.o1.np	Method	AAT/NAP
Start	41	End	473
GI	4680185	Score	401
Exons	41..473		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	34992	Seq. ID	OJ990818_12.9924.C17
Gene No.	72296	Strand	-
Start	1	End	1424
Name	OJ990818_12.9924.C17.o2.np	Method	AAT/NAP
Start	1	End	1424
GI	5852180	Score	129
Exons	1..32, 170..426, 1156..1424		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	34992	Seq. ID	OJ990818_12.9924.C17
Gene No.	72296	Strand	-
Start	1	End	1424
Name	OJ990818_12.9924.C17.o1.gs	Method	GENSCAN
Start	170	End	409
GI	none	Score	.98
Exons	170..409		

Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72297	Strand	+
Start	73	End	8267
Name	OJ990818_12.9924.C18.o1.gs	Method	GENSCAN
Start	73	End	8267
GI	none	Score	.59
Exons	73..234, 566..635, 2263..2446, 2454..2831, 4373..4982, 5151..5897, 6015..6860, 6924..7712, 7989..8267		

Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72297	Strand	+
Start	73	End	8267
Name	OJ990818_12.9924.C18.o1.gp	Method	AAT/GAP
Start	1080	End	1461
GI	uC-osflcyp033a04b1	Score	679
Exons	1080..1461		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72297	Strand	+
Start	73	End	8267
Name	OJ990818_12.9924.C18.o2.np	Method	AAT/NAP
Start	5160	End	8264
GI	5902445	Score	2944
Exons	5160..6978, 7020..8264		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72298	Strand	+
Start	12412	End	14716

Name	OJ990818_12.9924.C18.o6.np	Method	AAT/NAP
Start	12412	End	14716
GI	6539571	Score	55
Exons	12412..12465, 13733..13887, 14654..14716		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72299	Strand	-
Start	1013	End	2112
Name	OJ990818_12.9924.C18.o1.np	Method	AAT/NAP
Start	1013	End	2112
GI	4680186	Score	362
Exons	1013..1213, 2054..2112		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72300	Strand	-
Start	8879	End	12858
Name	OJ990818_12.9924.C18.o7.tw	Method	TBLASTX:Wheat
Start	2175	End	2411
GI	none	Score	211
Exons	2175..2411, 2177..2362		

Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72300	Strand	-
Start	8879	End	12858
Name	OJ990818_12.9924.C18.o4.tw	Method	TBLASTX:Wheat
Start	4458	End	4913
GI	none	Score	141
Exons	4458..4640, 4466..4639, 4677..4913, 4679..4795, 4681..4839, 4689..4856, 4838..4903		

Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72300	Strand	-
Start	8879	End	12858
Name	OJ990818_12.9924.C18.o1.tw	Method	TBLASTX:Wheat
Start	5105	End	5546
GI	none	Score	302
Exons	5105..5377, 5106..5390, 5106..5390, 5378..5545, 5385..5546		

Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72300	Strand	-
Start	8879	End	12858
Name	OJ990818_12.9924.C18.o1.tm	Method	TBLASTX:Maize
Start	5235	End	5576
GI	none	Score	157
Exons	5235..5390, 5297..5383, 5378..5548, 5385..5576		

Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72300	Strand	-
Start	8879	End	12858
Name	OJ990818_12.9924.C18.o2.tm	Method	TBLASTX:Maize
Start	5604	End	5987
GI	none	Score	320
Exons	5604..5987, 5708..5986		

Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
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Gene No.	72300	Strand	-
Start	8879	End	12858
Name	OJ990818_12.9924.C18.o2.tw	Method	TBLASTX:Wheat
Start	5661	End	6085
GI	none	Score	434
Exons	5661..6083, 5662..5817, 5664..6053, 5708..6085		
Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72300	Strand	-
Start	8879	End	12858
Name	OJ990818_12.9924.C18.o1.ts	Method	TBLASTX:Soybean
Start	5739	End	6140
GI	none	Score	290
Exons	5739..6140, 5741..5899		
Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72300	Strand	-
Start	8879	End	12858
Name	OJ990818_12.9924.C18.o6.tw	Method	TBLASTX:Wheat
Start	6230	End	6638
GI	none	Score	210
Exons	6230..6451, 6231..6455, 6465..6638, 6515..6586		
Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72300	Strand	-
Start	8879	End	12858
Name	OJ990818_12.9924.C18.o8.tw	Method	TBLASTX:Wheat
Start	6678	End	6998
GI	none	Score	177
Exons	6678..6998		
Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72300	Strand	-
Start	8879	End	12858
Name	OJ990818_12.9924.C18.o3.tm	Method	TBLASTX:Maize
Start	7137	End	7445
GI	none	Score	309
Exons	7137..7445, 7157..7444		
Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72300	Strand	-
Start	8879	End	12858
Name	OJ990818_12.9924.C18.o5.tw	Method	TBLASTX:Wheat
Start	7271	End	7625
GI	none	Score	350
Exons	7271..7327, 7272..7625, 7373..7615		
Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72300	Strand	-
Start	8879	End	12858
Name	OJ990818_12.9924.C18.o3.tw	Method	TBLASTX:Wheat
Start	7647	End	8255
GI	none	Score	315
Exons	7647..8099, 7662..7757, 7796..7903, 8124..8255, 8129..8254		
Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72300	Strand	-

Start	8879	End	12858
Name	OJ990818_12.9924.C18.o2.gs	Method	GENSCAN
Start	8879	End	11931
GI	none	Score	.74
Exons	8879..9306, 9507..9688, 9926..10185, 10246..10462, 10614..10672, 10742..10939, 11006..11130, 11211..11931		

Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72300	Strand	-
Start	8879	End	12858
Name	OJ990818_12.9924.C18.o3.np	Method	AAT/NAP
Start	9793	End	11093
GI	6721561	Score	1153
Exons	9793..10555, 10614..10672, 10742..10939, 11025..11093		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi 6815086 dbj BAA90372.1 (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72300	Strand	-
Start	8879	End	12858
Name	OJ990818_12.9924.C18.o4.np	Method	AAT/NAP
Start	10295	End	11931
GI	6721558	Score	301
Exons	10295..10507, 11006..11130, 11832..11931		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi 6815083 dbj BAA90369.1 (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	34993	Seq. ID	OJ990818_12.9924.C18
Gene No.	72300	Strand	-
Start	8879	End	12858
Name	OJ990818_12.9924.C18.o5.np	Method	AAT/NAP
Start	11151	End	12858
GI	6721512	Score	76
Exons	11151..11177, 12574..12741, 12768..12858		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	34994	Seq. ID	OJ990818_12.9924.C19
Gene No.	72301	Strand	+
Start	259	End	2624
Name	OJ990818_12.9924.C19.o1.np	Method	AAT/NAP
Start	259	End	2624
GI	5777623	Score	671
Exons	259..457, 1834..1976, 2154..2624		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	34994	Seq. ID	OJ990818_12.9924.C19
Gene No.	72302	Strand	-
Start	1045	End	3839
Name	OJ990818_12.9924.C19.o2.np	Method	AAT/NAP
Start	1045	End	2926
GI	6907086	Score	1670
Exons	1045..1222, 1267..1434, 1559..1683, 1933..2102, 2160..2926		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	34994	Seq. ID	OJ990818_12.9924.C19
Gene No.	72302	Strand	-
Start	1045	End	3839
Name	OJ990818_12.9924.C19.o3.np	Method	AAT/NAP
Start	2356	End	3839
GI	133839	Score	99
Exons	2356..2378, 3627..3839		
GI Descrip.	CHLOROPLAST 30S RIBOSOMAL PROTEIN S18 gi 71017 pir R3RZ18 ribosomal protein S18 - rice chloroplast gi 12009 emb CAA33970 (X15901) ribosomal protein S18 [Oryza sativa] gi 226631 prf 1603356BE ribosomal protein S18 [Oryza sativa]		

Seq. No.	34994	Seq. ID	OJ990818_12.9924.C19
Gene No.	72303	Strand	
Start	6891	End	7399
Name	OJ990818_12.9924.C19.o1.tm	Method	TBLASTX:Maize
Start	6891	End	7399
GI	none	Score	67
Exons	6891..7031, 6897..7067, 6898..7020, 6905..7030, 6921..7031, 6923..7069, 6924..7076, 7011..7103, 7013..7102, 7052..7174, 7068..7157, 7092..7211, 7093..7245, 7112..7249, 7119..7223, 7138..7224, 7141..7272, 7142..7273, 7148..7273, 7256..7378, 7259..7399, 7293..7382, 7301..7378		

Seq. No.	34995	Seq. ID	OJ990818_12.9924.C20
Gene No.	72304	Strand	+
Start	85	End	3079
Name	OJ990818_12.9924.C20.o1.np	Method	AAT/NAP
Start	85	End	1796
GI	4835788	Score	1211
Exons	85..558, 804..1796		
GI Descrip.	(AC007296) Strong similarity to gb U74319 obtusifoliol 14-alpha demethylase (CYP51) from Sorghum bicolor and is a member of the PF 00067 cytochrome P450 family. ESTs gb AA72030, gb N65031 and gb AA651059 come from ...		

Seq. No.	34995	Seq. ID	OJ990818_12.9924.C20
Gene No.	72304	Strand	+
Start	85	End	3079
Name	OJ990818_12.9924.C20.o1.gs	Method	GENSCAN
Start	121	End	3079
GI	none	Score	.46
Exons	121..558, 804..1769, 2930..3079		

Seq. No.	34995	Seq. ID	OJ990818_12.9924.C20
Gene No.	72304	Strand	+
Start	85	End	3079
Name	OJ990818_12.9924.C20.o2.ts	Method	TBLASTX:Soybean
Start	199	End	1070
GI	none	Score	41
Exons	199..264, 297..503, 298..558, 765..1070, 803..1069		

Seq. No.	34995	Seq. ID	OJ990818_12.9924.C20
Gene No.	72304	Strand	+
Start	85	End	3079
Name	OJ990818_12.9924.C20.o2.tc	Method	TBLASTX:Cress

Start	297	End	1064
GI	none	Score	252
Exons	297..560, 298..558, 765..1064, 803..1060		

Seq. No.	34995	Seq. ID	OJ990818_12.9924.C20
Gene No.	72304	Strand	+
Start	85	End	3079
Name	OJ990818_12.9924.C20.o2.tm	Method	TBLASTX:Maize
Start	297	End	474
GI	none	Score	183
Exons	297..461, 298..474		

Seq. No.	34995	Seq. ID	OJ990818_12.9924.C20
Gene No.	72304	Strand	+
Start	85	End	3079
Name	OJ990818_12.9924.C20.o1.tm	Method	TBLASTX:Maize
Start	801	End	1793
GI	none	Score	300
Exons	801..1097, 801..1055, 809..1081, 1074..1793, 1094..1246, 1111..1386, 1337..1471, 1497..1787, 1504..1791		

Seq. No.	34995	Seq. ID	OJ990818_12.9924.C20
Gene No.	72304	Strand	+
Start	85	End	3079
Name	OJ990818_12.9924.C20.o1.ts	Method	TBLASTX:Soybean
Start	1074	End	1807
GI	none	Score	139
Exons	1074..1214, 1094..1216, 1218..1793, 1328..1471, 1440..1784, 1580..1807		

Seq. No.	34995	Seq. ID	OJ990818_12.9924.C20
Gene No.	72304	Strand	+
Start	85	End	3079
Name	OJ990818_12.9924.C20.o1.tc	Method	TBLASTX:Cress
Start	1107	End	1463
GI	none	Score	217
Exons	1107..1334, 1112..1243, 1275..1316, 1338..1463, 1430..1462		

Seq. No.	34995	Seq. ID	OJ990818_12.9924.C20
Gene No.	72304	Strand	+
Start	85	End	3079
Name	OJ990818_12.9924.C20.o3.tc	Method	TBLASTX:Cress
Start	1521	End	1793
GI	none	Score	273
Exons	1521..1793, 1592..1771		

Seq. No.	34996	Seq. ID	OJ990818_12.9924.C21
Gene No.	72305	Strand	+
Start	820	End	2671
Name	OJ990818_12.9924.C21.o1.np	Method	AAT/NAP
Start	820	End	965
GI	3445397	Score	67
Exons	820..965		
GI Descrip.	(A7010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	34996	Seq. ID	OJ990818_12.9924.C21
Gene No.	72305	Strand	+

Start	820	End	2671
Name	OJ990818_12.9924.C21.o1.gs	Method	GENSCAN
Start	862	End	2671
GI	none	Score	.45
Exons	862..970, 2330..2671		

Seq. No.	34997	Seq. ID	OJ990528_01.9921.C6
Gene No.	72306	Strand	+
Start	285	End	711
Name	OJ990528_01.9921.C6.o1.gp	Method	AAT/GAP
Start	285	End	711
GI	LIB3479-006-Q6-K1-B11	Score	669
Exons	285..711		
GI Descrip.	'5734616/dbj AP000391.1 AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	34998	Seq. ID	OJ990528_01.9921.C7
Gene No.	72307	Strand	-
Start	1	End	660
Name	OJ990528_01.9921.C7.o1.gp	Method	AAT/GAP
Start	1	End	654
GI	48805.1.R1084	Score	1247
Exons	1..654		

GI Descrip.	'2347195.2:0e-27 (AC002338)-hypothetical protein-[Arabidopsis thaliana]'		
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Seq. No.	34998	Seq. ID	OJ990528_01.9921.C7
Gene No.	72307	Strand	-
Start	1	End	660
Name	OJ990528_01.9921.C7.o1.tc	Method	TBLASTX:Cress
Start	188	End	653
GI	none	Score	86
Exons	188..352, 440..628, 441..653		

Seq. No.	34998	Seq. ID	OJ990528_01.9921.C7
Gene No.	72307	Strand	-
Start	1	End	660
Name	OJ990528_01.9921.C7.o1.ts	Method	TBLASTX:Soybean
Start	188	End	628
GI	none	Score	163
Exons	188..358, 434..628		

Seq. No.	34998	Seq. ID	OJ990528_01.9921.C7
Gene No.	72307	Strand	-
Start	1	End	660
Name	OJ990528_01.9921.C7.o1.tm	Method	TBLASTX:Maize
Start	332	End	660
GI	none	Score	225
Exons	332..502, 332..631, 333..644, 438..653, 529..660		

Seq. No.	34999	Seq. ID	OJ990528_01.9921.C10
Gene No.	72308	Strand	+
Start	1355	End	1951
Name	OJ990528_01.9921.C10.o1.gp	Method	AAT/GAP
Start	1355	End	1648
GI	none	Score	572
Exons	1355..1648		

Seq. No.	34999	Seq. ID	OJ990528_01.9921.C10
Gene No.	72308	Strand	+
Start	1355	End	1951
Name	OJ990528_01.9921.C10.ol.tm	Method	TBLASTX:Maize
Start	1491	End	1951
GI	none	Score	191
Exons	1491..1514, 1554..1760, 1560..1745, 1561..1782, 1562..1774, 1776..1838, 1865..1951		

Seq. No.	35000	Seq. ID	OJ990528_01.9921.C15
Gene No.	72309	Strand	+
Start	197	End	691
Name	OJ990528_01.9921.C15.ol.gp	Method	AAT/GAP
Start	197	End	691
GI	12973_1.R1084	Score	803
Exons	197..691		
GI Descrip.	'2347195 1.0e-15 (AC002338) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	35001	Seq. ID	OJ990528_01.9921.C22
Gene No.	72310	Strand	-
Start	222	End	335
Name	OJ990528_01.9921.C22.ol.gp	Method	AAT/GAP
Start	222	End	335
GI	12973_1.R1084	Score	199
Exons	222..335		
GI Descrip.	'2347195 1.0e-15 (AC002338) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	35002	Seq. ID	OJ990528_01.9921.C23
Gene No.	72311	Strand	
Start	47	End	534
Name	OJ990528_01.9921.C23.ol.tm	Method	TBLASTX:Maize
Start	47	End	403
GI	none	Score	105
Exons	47..316, 47..403, 57..368		

Seq. No.	35002	Seq. ID	OJ990528_01.9921.C23
Gene No.	72311	Strand	
Start	47	End	534
Name	OJ990528_01.9921.C23.ol.tw	Method	TBLASTX:Wheat
Start	71	End	534
GI	none	Score	392
Exons	71..532, 72..533, 358..534		

Seq. No.	35002	Seq. ID	OJ990528_01.9921.C23
Gene No.	72311	Strand	
Start	47	End	534
Name	OJ990528_01.9921.C23.ol.ts	Method	TBLASTX:Soybean
Start	128	End	493
GI	none	Score	117
Exons	128..262, 269..493		

Seq. No.	35003	Seq. ID	OJ990528_01.9921.C25
Gene No.	72312	Strand	-
Start	342	End	713

Name	OJ990528_01.9921.C25.o1.gp	Method	AAT/GAP
Start	342	End	713
GI	5038691	Score	728
Exons	342..713		
GI Descrip.	2130023/pir S61413 9.0e-35 DNA-binding protein ABF1 - wild oat (fragment) >gi_1159877_emb_CAA88326_ (Z48429) DNA-binding protein [Avena fatua]		

Seq. No.	35003	Seq. ID	OJ990528_01.9921.C25
Gene No.	72313	Strand	-
Start	3182	End	3298
Name	OJ990528_01.9921.C25.o1.tw	Method	TBLASTX:Wheat
Start	22	End	913
GI	none	Score	55
Exons	22..78, 269..436, 269..355, 274..420, 543..677, 545..658, 546..659, 774..818, 887..913		

Seq. No.	35003	Seq. ID	OJ990528_01.9921.C25
Gene No.	72313	Strand	-
Start	3182	End	3298
Name	OJ990528_01.9921.C25.o1.ts	Method	TBLASTX:Soybean
Start	50	End	677
GI	none	Score	70
Exons	50..130, 64..108, 265..420, 281..436, 374..436, 388..420, 542..658, 542..595, 543..677, 543..602, 633..662		

Seq. No.	35003	Seq. ID	OJ990528_01.9921.C25
Gene No.	72313	Strand	-
Start	3182	End	3298
Name	OJ990528_01.9921.C25.o1.tm	Method	TBLASTX:Maize
Start	317	End	992
GI	none	Score	67
Exons	317..367, 322..357, 371..436, 391..420, 542..658, 543..677, 717..767, 873..992, 881..979		

Seq. No.	35003	Seq. ID	OJ990528_01.9921.C25
Gene No.	72313	Strand	-
Start	3182	End	3298
Name	OJ990528_01.9921.C25.o1.tc	Method	TBLASTX:Cress
Start	343	End	677
GI	none	Score	150
Exons	343..420, 344..436, 542..655, 543..677		

Seq. No.	35003	Seq. ID	OJ990528_01.9921.C25
Gene No.	72313	Strand	-
Start	3182	End	3298
Name	OJ990528_01.9921.C25.o2.gp	Method	AAT/GAP
Start	3182	End	3298
GI	LIB3431-045-P1-N1-A10	Score	188
Exons	3182..3298		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	35004	Seq. ID	OJ990528_01.9921.C26
Gene No.	72314	Strand	+
Start	2857	End	2973
Name	OJ990528_01.9921.C26.o1.gp	Method	AAT/GAP

Start	2857	End	2973
GI	LIB3431-045-P1-N1-A10	Score	197
Exons	2857..2973		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	35004	Seq. ID	OJ990528_01.9921.C26
Gene No.	72315	Strand	-
Start	4935	End	5426
Name	OJ990528_01.9921.C26.o2.gp	Method	AAT/GAP
Start	4935	End	5426
GI	LIB3475-007-P1-K1-G8	Score	802
Exons	4935..5185, 5254..5426		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	35005	Seq. ID	OJ990528_01.9921.C31
Gene No.	72316	Strand	-
Start	1	End	232
Name	OJ990528_01.9921.C31.o1.gp	Method	AAT/GAP
Start	1	End	232
GI	5701669	Score	452
Exons	1..232		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	35006	Seq. ID	OJ990528_01.9921.C34
Gene No.	72317	Strand	-
Start	1196	End	1360
Name	OJ990528_01.9921.C34.o1.gp	Method	AAT/GAP
Start	1196	End	1360
GI	uC-osflcyp169h02b1	Score	211
Exons	1196..1360		
GI Descrip.	'6063530/dbj AP000615.1 AP000615 3.0e-33 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	35007	Seq. ID	OJ990528_01.9921.C35
Gene No.	72318	Strand	+
Start	8998	End	9172
Name	OJ990528_01.9921.C35.o2.tm	Method	TBLASTX:Maize
Start	2719	End	2952
GI	none	Score	41
Exons	2719..2751, 2740..2952, 2776..2949		

Seq. No.	35007	Seq. ID	OJ990528_01.9921.C35
Gene No.	72318	Strand	+
Start	8998	End	9172
Name	OJ990528_01.9921.C35.o1.tc	Method	TBLASTX:Cress
Start	4822	End	5437
GI	none	Score	66
Exons	4822..4869, 4953..5120, 4954..5124, 5215..5436, 5216..5437		

Seq. No.	35007	Seq. ID	OJ990528_01.9921.C35
Gene No.	72318	Strand	+
Start	8998	End	9172

Name	OJ990528_01.9921.C35.o1.ts	Method	TBLASTX:Soybean
Start	4822	End	5121
GI	none	Score	69
Exons	4822..4869, 4945..5121, 4953..5120		

Seq. No.	35007	Seq. ID	OJ990528_01.9921.C35
Gene No.	72318	Strand	+
Start	8998	End	9172
Name	OJ990528_01.9921.C35.o1.tm	Method	TBLASTX:Maize
Start	4983	End	5308
GI	none	Score	211
Exons	4983..5120, 4984..5121, 5210..5308, 5213..5308		

Seq. No.	35007	Seq. ID	OJ990528_01.9921.C35
Gene No.	72318	Strand	+
Start	8998	End	9172
Name	OJ990528_01.9921.C35.o1.gp	Method	AAT/GAP
Start	8998	End	9172
GI	15870_2.R1084	Score	271
Exons	8998..9172		

GI Descrip. '287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch
branching enzyme'

Seq. No.	35008	Seq. ID	OJ990528_01.9921.C37
Gene No.	72319	Strand	+
Start	1	End	783
Name	OJ990528_01.9921.C37.o1.gp	Method	AAT/GAP
Start	1	End	162
GI	2280832	Score	214
Exons	1..162		

Seq. No.	35008	Seq. ID	OJ990528_01.9921.C37
Gene No.	72319	Strand	+
Start	1	End	783
Name	OJ990528_01.9921.C37.o1.tc	Method	TBLASTX:Cress
Start	33	End	783
GI	none	Score	180
Exons	33..230, 34..237, 307..534, 577..783		

Seq. No.	35008	Seq. ID	OJ990528_01.9921.C37
Gene No.	72319	Strand	+
Start	1	End	783
Name	OJ990528_01.9921.C37.o1.tm	Method	TBLASTX:Maize
Start	33	End	783
GI	none	Score	174
Exons	33..230, 34..237, 307..783, 366..485		

Seq. No.	35008	Seq. ID	OJ990528_01.9921.C37
Gene No.	72319	Strand	+
Start	1	End	783
Name	OJ990528_01.9921.C37.o1.ts	Method	TBLASTX:Soybean
Start	34	End	783
GI	none	Score	161
Exons	34..237, 307..783, 309..485, 552..782		

Seq. No.	35009	Seq. ID	OJ990528_01.9921.C38
Gene No.	72320	Strand	

Start	40	End	686
Name	OJ990528_01.9921.C38.o3.tm	Method	TBLASTX:Maize
Start	40	End	296
GI	none	Score	242
Exons	40..294, 42..296		
Seq. No.	35009	Seq. ID	OJ990528_01.9921.C38
Gene No.	72320	Strand	
Start	40	End	686
Name	OJ990528_01.9921.C38.o2.ts	Method	TBLASTX:Soybean
Start	60	End	320
GI	none	Score	160
Exons	60..320, 61..315		
Seq. No.	35009	Seq. ID	OJ990528_01.9921.C38
Gene No.	72320	Strand	
Start	40	End	686
Name	OJ990528_01.9921.C38.o1.tc	Method	TBLASTX:Cress
Start	84	End	401
GI	none	Score	79
Exons	84..227, 85..225, 228..401		
Seq. No.	35009	Seq. ID	OJ990528_01.9921.C38
Gene No.	72320	Strand	
Start	40	End	686
Name	OJ990528_01.9921.C38.o1.tw	Method	TBLASTX:Wheat
Start	108	End	686
GI	none	Score	236
Exons	108..563, 108..686, 112..675		
Seq. No.	35009	Seq. ID	OJ990528_01.9921.C38
Gene No.	72321	Strand	
Start	675	End	1099
Name	OJ990528_01.9921.C38.o1.tm	Method	TBLASTX:Maize
Start	675	End	993
GI	none	Score	210
Exons	675..992, 679..993		
Seq. No.	35009	Seq. ID	OJ990528_01.9921.C38
Gene No.	72321	Strand	
Start	675	End	1099
Name	OJ990528_01.9921.C38.o2.tw	Method	TBLASTX:Wheat
Start	687	End	1099
GI	none	Score	299
Exons	687..992, 688..993, 718..1044, 983..1099, 984..1067		
Seq. No.	35009	Seq. ID	OJ990528_01.9921.C38
Gene No.	72322	Strand	
Start	1064	End	1937
Name	OJ990528_01.9921.C38.o2.tm	Method	TBLASTX:Maize
Start	1064	End	1564
GI	none	Score	50
Exons	1064..1378, 1107..1157, 1185..1238, 1385..1564, 1410..1556		
Seq. No.	35009	Seq. ID	OJ990528_01.9921.C38
Gene No.	72322	Strand	
Start	1064	End	1937

Name	OJ990528_01.9921.C38.o4.tw	Method	TBLASTX:Wheat
Start	1100	End	1402
GI	none	Score	272
Exons	1100..1402, 1116..1400		
Seq. No.	35009	Seq. ID	OJ990528_01.9921.C38
Gene No.	72322	Strand	
Start	1064	End	1937
Name	OJ990528_01.9921.C38.o1.ts	Method	TBLASTX:Soybean
Start	1115	End	1510
GI	none	Score	193
Exons	1115..1474, 1116..1406, 1434..1472, 1478..1510, 1479..1508		
Seq. No.	35009	Seq. ID	OJ990528_01.9921.C38
Gene No.	72322	Strand	
Start	1064	End	1937
Name	OJ990528_01.9921.C38.o3.tw	Method	TBLASTX:Wheat
Start	1451	End	1937
GI	none	Score	270
Exons	1451..1828, 1494..1937, 1883..1933		
Seq. No.	35009	Seq. ID	OJ990528_01.9921.C38
Gene No.	72322	Strand	
Start	1064	End	1937
Name	OJ990528_01.9921.C38.o2.tc	Method	TBLASTX:Cress
Start	1487	End	1804
GI	none	Score	180
Exons	1487..1804		
Seq. No.	35009	Seq. ID	OJ990528_01.9921.C38
Gene No.	72322	Strand	
Start	1064	End	1937
Name	OJ990528_01.9921.C38.o4.tm	Method	TBLASTX:Maize
Start	1632	End	1922
GI	none	Score	185
Exons	1632..1922, 1634..1921		
Seq. No.	35009	Seq. ID	OJ990528_01.9921.C38
Gene No.	72323	Strand	
Start	2048	End	2506
Name	OJ990528_01.9921.C38.o5.tw	Method	TBLASTX:Wheat
Start	2048	End	2470
GI	none	Score	80
Exons	2048..2215, 2103..2216, 2261..2470, 2262..2414		
Seq. No.	35009	Seq. ID	OJ990528_01.9921.C38
Gene No.	72323	Strand	
Start	2048	End	2506
Name	OJ990528_01.9921.C38.o5.tm	Method	TBLASTX:Maize
Start	2151	End	2506
GI	none	Score	44
Exons	2151..2243, 2153..2506, 2337..2414		
Seq. No.	35009	Seq. ID	OJ990528_01.9921.C38
Gene No.	72324	Strand	
Start	2786	End	3136
Name	OJ990528_01.9921.C38.o6.tw	Method	TBLASTX:Wheat

Start	2786	End	3136
GI	none	Score	59
Exons	2786..3067, 3070..3135, 3077..3136		

Seq. No.	35010	Seq. ID	OJ990528_01.9921.C39
Gene No.	72325	Strand	-
Start	1119	End	1573
Name	OJ990528_01.9921.C39.o1.tm	Method	TBLASTX:Maize
Start	68	End	331
GI	none	Score	90
Exons	68..331, 201..317		

Seq. No.	35010	Seq. ID	OJ990528_01.9921.C39
Gene No.	72325	Strand	-
Start	1119	End	1573
Name	OJ990528_01.9921.C39.o1.tw	Method	TBLASTX:Wheat
Start	212	End	574
GI	none	Score	149
Exons	212..574, 213..572		

Seq. No.	35010	Seq. ID	OJ990528_01.9921.C39
Gene No.	72325	Strand	-
Start	1119	End	1573
Name	OJ990528_01.9921.C39.o1.gp	Method	AAT/GAP
Start	1119	End	1573
GI	95437_1.R1084	Score	762
Exons	1119..1573		
GI Descrip.	'4512226/dbj AB014738.1 AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	35011	Seq. ID	OJ990528_01.9921.C40
Gene No.	72326	Strand	-
Start	817	End	1201
Name	OJ990528_01.9921.C40.o1.gp	Method	AAT/GAP
Start	817	End	1201
GI	uC-osflcyp033a04b1	Score	612
Exons	817..1201		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35012	Seq. ID	OJ990528_01.9921.C41
Gene No.	72327	Strand	-
Start	224	End	997
Name	OJ990528_01.9921.C41.o3.tw	Method	TBLASTX:Wheat
Start	224	End	536
GI	none	Score	71
Exons	224..484, 225..536		

Seq. No.	35012	Seq. ID	OJ990528_01.9921.C41
Gene No.	72327	Strand	-
Start	224	End	997
Name	OJ990528_01.9921.C41.o2.ts	Method	TBLASTX:Soybean
Start	284	End	850
GI	5666795	Score	68
Exons	284..484, 539..676, 752..850		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	35012	Seq. ID	OJ990528_01.9921.C41
Gene No.	72327	Strand	
Start	224	End	997
Name	OJ990528_01.9921.C41.o2.tw	Method	TBLASTX:Wheat
Start	539	End	997
GI	none	Score	86
Exons	539..679, 540..677, 542..679, 735..908, 749..997, 749..973		

Seq. No.	35012	Seq. ID	OJ990528_01.9921.C41
Gene No.	72328	Strand	
Start	1598	End	2039
Name	OJ990528_01.9921.C41.o1.ts	Method	TBLASTX:Soybean
Start	1598	End	1969
GI	none	Score	89
Exons	1598..1969, 1809..1952		

Seq. No.	35012	Seq. ID	OJ990528_01.9921.C41
Gene No.	72328	Strand	
Start	1598	End	2039
Name	OJ990528_01.9921.C41.o1.tw	Method	TBLASTX:Wheat
Start	1623	End	2039
GI	none	Score	323
Exons	1623..2039, 1628..2038		

Seq. No.	35012	Seq. ID	OJ990528_01.9921.C41
Gene No.	72328	Strand	
Start	1598	End	2039
Name	OJ990528_01.9921.C41.o1.tm	Method	TBLASTX:Maize
Start	1721	End	2039
GI	none	Score	185
Exons	1721..2038, 1740..2039		

Seq. No.	35013	Seq. ID	OJ990528_01.9921.C42
Gene No.	72329	Strand	
Start	6	End	351
Name	OJ990528_01.9921.C42.o1.tw	Method	TBLASTX:Wheat
Start	6	End	351
GI	none	Score	107
Exons	6..350, 7..156, 178..351		

Seq. No.	35014	Seq. ID	OJ990528_01.9921.C45
Gene No.	72330	Strand	
Start	22	End	444
Name	OJ990528_01.9921.C45.o1.tw	Method	TBLASTX:Wheat
Start	22	End	444
GI	none	Score	410
Exons	22..444, 57..380		

Seq. No.	35014	Seq. ID	OJ990528_01.9921.C45
Gene No.	72330	Strand	
Start	22	End	444
Name	OJ990528_01.9921.C45.o1.tm	Method	TBLASTX:Maize
Start	87	End	348
GI	none	Score	293
Exons	87..347, 88..348		

Seq. No.	35015	Seq. ID	OJ990528_01.9921.C51
Gene No.	72331	Strand	
Start	2	End	741
Name	OJ990528_01.9921.C51.o1.tm	Method	TBLASTX:Maize
Start	2	End	741
GI	none	Score	99
Exons	2..55, 3..56, 57..134, 71..142, 234..329, 245..322, 246..329, 247..336, 247..330, 429..515, 430..516, 430..516, 431..517, 434..526, 679..741		

Seq. No.	35016	Seq. ID	OJ990528_01.9921.C54
Gene No.	72332	Strand	
Start	2014	End	2479
Name	OJ990528_01.9921.C54.o2.tm	Method	TBLASTX:Maize
Start	2014	End	2479
GI	none	Score	42
Exons	2014..2040, 2016..2039, 2085..2132, 2086..2133, 2156..2218, 2193..2273, 2194..2274, 2343..2477, 2366..2479, 2366..2479		

Seq. No.	35016	Seq. ID	OJ990528_01.9921.C54
Gene No.	72333	Strand	
Start	2717	End	3108
Name	OJ990528_01.9921.C54.o1.tm	Method	TBLASTX:Maize
Start	2717	End	3108
GI	none	Score	221
Exons	2717..2755, 2759..3103, 2760..3104, 2785..3108		

Seq. No.	35017	Seq. ID	OJ990528_01.9921.C57
Gene No.	72334	Strand	+
Start	1746	End	2223
Name	OJ990528_01.9921.C57.o1.tm	Method	TBLASTX:Maize
Start	1549	End	1726
GI	none	Score	218
Exons	1549..1704, 1551..1703, 1652..1726		

Seq. No.	35017	Seq. ID	OJ990528_01.9921.C57
Gene No.	72334	Strand	+
Start	1746	End	2223
Name	OJ990528_01.9921.C57.o1.gp	Method	AAT/GAP
Start	1746	End	2223
GI	none	Score	868
Exons	1746..2223		

Seq. No.	35018	Seq. ID	OJ990528_01.9921.C58
Gene No.	72335	Strand	+
Start	3462	End	3927
Name	OJ990528_01.9921.C58.o1.tc	Method	TBLASTX:Cress
Start	294	End	1586
GI	none	Score	366
Exons	294..578, 295..585, 301..582, 561..671, 592..681, 683..796, 687..983, 689..796, 726..1076, 730..1173, 1216..1335, 1218..1277, 1443..1586, 1447..1584		

Seq. No.	35018	Seq. ID	OJ990528_01.9921.C58
Gene No.	72335	Strand	+
Start	3462	End	3927
Name	OJ990528_01.9921.C58.o1.tm	Method	TBLASTX:Maize

Start	295	End	1611
GI	none	Score	369
Exons	295..588, 315..581, 561..671, 583..1050, 586..681, 593..991, 729..1130, 730..1086, 1165..1611, 1221..1280, 1388..1483, 1410..1592, 1462..1596		

Seq. No.	35018	Seq. ID	OJ990528_01.9921.C58
Gene No.	72335	Strand	+
Start	3462	End	3927
Name	OJ990528_01.9921.C58.o1.ts	Method	TBLASTX:Soybean
Start	295	End	1578
GI	none	Score	352
Exons	295..588, 315..587, 561..671, 592..681, 726..1106, 730..1101, 1219..1302, 1402..1578, 1425..1574		

Seq. No.	35018	Seq. ID	OJ990528_01.9921.C58
Gene No.	72335	Strand	+
Start	3462	End	3927
Name	OJ990528_01.9921.C58.o2.tw	Method	TBLASTX:Wheat
Start	300	End	501
GI	none	Score	203
Exons	300..494, 304..501		

Seq. No.	35018	Seq. ID	OJ990528_01.9921.C58
Gene No.	72335	Strand	+
Start	3462	End	3927
Name	OJ990528_01.9921.C58.o1.tw	Method	TBLASTX:Wheat
Start	505	End	897
GI	none	Score	155
Exons	505..681, 540..659, 545..745, 790..897, 792..893		

Seq. No.	35018	Seq. ID	OJ990528_01.9921.C58
Gene No.	72335	Strand	+
Start	3462	End	3927
Name	OJ990528_01.9921.C58.o2.tm	Method	TBLASTX:Maize
Start	3357	End	3624
GI	none	Score	289
Exons	3357..3491, 3358..3606, 3371..3535, 3388..3624		

Seq. No.	35018	Seq. ID	OJ990528_01.9921.C58
Gene No.	72335	Strand	+
Start	3462	End	3927
Name	OJ990528_01.9921.C58.o1.gp	Method	AAT/GAP
Start	3462	End	3927
GI	none	Score	840
Exons	3462..3927		

Seq. No.	35018	Seq. ID	OJ990528_01.9921.C58
Gene No.	72336	Strand	
Start	4288	End	4569
Name	OJ990528_01.9921.C58.o3.tm	Method	TBLASTX:Maize
Start	4288	End	4569
GI	none	Score	92
Exons	4288..4437, 4289..4438, 4444..4566, 4444..4569		

Seq. No.	35019	Seq. ID	OJ990528_01.9921.C62
Gene No.	72337	Strand	

Start	666	End	836
Name	OJ990528_01.9921.C62.o1.tm	Method	TBLASTX:Maize
Start	666	End	836
GI	none	Score	125
Exons	666..836, 667..831		
Seq. No.	35020	Seq. ID	OJ990528_01.9921.C64
Gene No.	72338	Strand	-
Start	155	End	920
Name	OJ990528_01.9921.C64.o1.tc	Method	TBLASTX:Cress
Start	80	End	920
GI	none	Score	108
Exons	80..283, 87..284, 645..734, 649..735, 843..920		
Seq. No.	35020	Seq. ID	OJ990528_01.9921.C64
Gene No.	72338	Strand	-
Start	155	End	920
Name	OJ990528_01.9921.C64.o1.ts	Method	TBLASTX:Soybean
Start	80	End	284
GI	none	Score	121
Exons	80..283, 81..284		
Seq. No.	35020	Seq. ID	OJ990528_01.9921.C64
Gene No.	72338	Strand	-
Start	155	End	920
Name	OJ990528_01.9921.C64.o1.tm	Method	TBLASTX:Maize
Start	128	End	293
GI	none	Score	175
Exons	128..289, 129..290, 138..293		
Seq. No.	35020	Seq. ID	OJ990528_01.9921.C64
Gene No.	72338	Strand	-
Start	155	End	920
Name	OJ990528_01.9921.C64.o1.gp	Method	AAT/GAP
Start	155	End	733
GI	2280832	Score	491
Exons	155..282, 584..733		
Seq. No.	35021	Seq. ID	OJ990528_01.9921.C66
Gene No.	72339	Strand	+
Start	3127	End	3730
Name	OJ990528_01.9921.C66.o1.gp	Method	AAT/GAP
Start	3127	End	3730
GI	2310531	Score	855
Exons	3127..3437, 3581..3730		
Seq. No.	35021	Seq. ID	OJ990528_01.9921.C66
Gene No.	72340	Strand	+
Start	4927	End	5499
Name	OJ990528_01.9921.C66.o1.ts	Method	TBLASTX:Soybean
Start	795	End	1295
GI	none	Score	75
Exons	795..902, 802..885, 992..1108, 1119..1295, 1130..1276		
Seq. No.	35021	Seq. ID	OJ990528_01.9921.C66
Gene No.	72340	Strand	+
Start	4927	End	5499

Name	OJ990528_01.9921.C66.o3.tm	Method	TBLASTX:Maize
Start	819	End	1298
GI	none	Score	113
Exons	819..902, 992..1120, 1130..1276, 1137..1298		

Seq. No.	35021	Seq. ID	OJ990528_01.9921.C66
Gene No.	72340	Strand	+
Start	4927	End	5499
Name	OJ990528_01.9921.C66.o2.tc	Method	TBLASTX:Cress
Start	826	End	1295
GI	none	Score	75
Exons	826..885, 828..902, 992..1108, 1130..1276, 1146..1295		

Seq. No.	35021	Seq. ID	OJ990528_01.9921.C66
Gene No.	72340	Strand	+
Start	4927	End	5499
Name	OJ990528_01.9921.C66.o2.tm	Method	TBLASTX:Maize
Start	4045	End	4485
GI	none	Score	248
Exons	4045..4248, 4076..4222, 4078..4248, 4184..4342, 4233..4301, 4234..4485, 4240..4356		

Seq. No.	35021	Seq. ID	OJ990528_01.9921.C66
Gene No.	72340	Strand	+
Start	4927	End	5499
Name	OJ990528_01.9921.C66.o1.tc	Method	TBLASTX:Cress
Start	4408	End	4707
GI	none	Score	59
Exons	4408..4482, 4521..4706, 4522..4707		

Seq. No.	35021	Seq. ID	OJ990528_01.9921.C66
Gene No.	72340	Strand	+
Start	4927	End	5499
Name	OJ990528_01.9921.C66.o1.tw	Method	TBLASTX:Wheat
Start	4513	End	4854
GI	none	Score	375
Exons	4513..4854, 4518..4841		

Seq. No.	35021	Seq. ID	OJ990528_01.9921.C66
Gene No.	72340	Strand	+
Start	4927	End	5499
Name	OJ990528_01.9921.C66.o1.tm	Method	TBLASTX:Maize
Start	4698	End	4959
GI	none	Score	380
Exons	4698..4943, 4699..4959		

Seq. No.	35021	Seq. ID	OJ990528_01.9921.C66
Gene No.	72340	Strand	+
Start	4927	End	5499
Name	OJ990528_01.9921.C66.o2.gp	Method	AAT/GAP
Start	4927	End	5499
GI	5455333	Score	1040
Exons	4927..5499		
GI Descrip.	6016845/dbj AP000570.1 AP000570 3.0c-15 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	35022	Seq. ID	OJ990528_01.9921.C67
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Gene No.	72341	Strand	+
Start	164	End	334
Name	OJ990528_01.9921.C67.ol.tm	Method	TBLASTX:Maize
Start	157	End	294
GI	none	Score	181
Exons	157..291, 162..293, 167..247, 193..294		

Seq. No.	35022	Seq. ID	OJ990528_01.9921.C67
Gene No.	72341	Strand	+
Start	164	End	334
Name	OJ990528_01.9921.C67.ol.gp	Method	AAT/GAP
Start	164	End	334
GI	1631815	Score	290
Exons	164..334		

Seq. No.	35023	Seq. ID	OJ990528_01.9921.C68
Gene No.	72342	Strand	+
Start	53	End	218
Name	OJ990528_01.9921.C68.ol.gp	Method	AAT/GAP
Start	53	End	218
GI	7406_1.R1084	Score	227
Exons	53..218		

GI Descrip. 1122315/emb|CAA63901|7.0e-10.(X94191) heat shock protein.17.0.
[Pennisetum glaucum]

Seq. No.	35024	Seq. ID	OJ990528_01.9921.C71
Gene No.	72343	Strand	
Start	15	End	373
Name	OJ990528_01.9921.C71.ol.tw	Method	TBLASTX:Wheat
Start	15	End	373
GI	none	Score	89
Exons	15..254, 17..238, 221..319, 222..302, 326..373		

Seq. No.	35024	Seq. ID	OJ990528_01.9921.C71
Gene No.	72343	Strand	
Start	15	End	373
Name	OJ990528_01.9921.C71.ol.tm	Method	TBLASTX:Maize
Start	83	End	368
GI	none	Score	103
Exons	83..331, 84..368		

Seq. No.	35025	Seq. ID	OJ990528_01.9921.C78
Gene No.	72344	Strand	
Start	9	End	338
Name	OJ990528_01.9921.C78.ol.tw	Method	TBLASTX:Wheat
Start	9	End	338
GI	none	Score	319
Exons	9..338, 113..337		

Seq. No.	35026	Seq. ID	OJ990428_08.9924.C1
Gene No.	72345	Strand	-
Start	212	End	690
Name	OJ990428_08.9924.C1.ol.gs	Method	GENSCAN
Start	212	End	690
GI	none	Score	.76
Exons	212..649, 685..690		

Seq. No.	35027	Seq. ID	OJ990428_08.9924.C2
Gene No.	72346	Strand	
Start	159	End	596
Name	OJ990428_08.9924.C2.o1.tm	Method	TBLASTX:Maize
Start	159	End	596
GI	none	Score	121
Exons	159..248, 160..252, 372..596, 373..594, 374..595, 390..596		

Seq. No.	35028	Seq. ID	OJ990428_08.9924.C3
Gene No.	72347	Strand	-
Start	1	End	245
Name	OJ990428_08.9924.C3.o1.gp	Method	AAT/GAP
Start	1	End	245
GI	none	Score	215
Exons	1..91, 170..245		

Seq. No.	35029	Seq. ID	OJ990428_08.9924.C5
Gene No.	72348	Strand	+
Start	220	End	290
Name	OJ990428_08.9924.C5.o1.gs	Method	GENSCAN
Start	220	End	290
GI	none	Score	99
Exons	220..290		

Seq. No.	35030	Seq. ID	OJ990428_08.9924.C6
Gene No.	72349	Strand	-
Start	1	End	256
Name	OJ990428_08.9924.C6.o1.gp	Method	AAT/GAP
Start	1	End	135
GI	14187_1.R1084	Score	214
Exons	1..135		
GI Descrip.	'5107819/gb AAD40132.1 AF149413_13 1.0e-107 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	35030	Seq. ID	OJ990428_08.9924.C6
Gene No.	72349	Strand	-
Start	1	End	256
Name	OJ990428_08.9924.C6.o1.np	Method	AAT/NAP
Start	1	End	256
GI	5107819	Score	147
Exons	1..144, 210..256		
GI Descrip.	(AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]		

Seq. No.	35030	Seq. ID	OJ990428_08.9924.C6
Gene No.	72349	Strand	-
Start	1	End	256
Name	OJ990428_08.9924.C6.o1.tw	Method	TBLASTX:Wheat
Start	3	End	138
GI	none	Score	170
Exons	3..128, 7..138, 8..130		

Seq. No.	35030	Seq. ID	OJ990428_08.9924.C6
Gene No.	72349	Strand	-
Start	1	End	256
Name	OJ990428_08.9924.C6.o1.tc	Method	TBLASTX:Cress
Start	7	End	138

GI none
Exons 7..138, 26..136

Score 90

Seq. No. 35030
Gene No. 72349
Start 1
Name OJ990428_08.9924.C6.o1.ts
Start 7
GI none
Exons 7..138, 17..130

Seq. ID OJ990428_08.9924.C6
Strand -
End 256
Method TBLASTX:Soybean
End 138
Score 100

Seq. No. 35030
Gene No. 72349
Start 1
Name OJ990428_08.9924.C6.o1.tm
Start 7
GI none
Exons 7..135, 8..130, 10..135

Seq. ID OJ990428_08.9924.C6
Strand -
End 256
Method TBLASTX:Maize
End 135
Score 181

Seq. No. 35031
Gene No. 72350
Start 63
Name OJ990428_08.9924.C10.o1.gs
Start 63
GI none
Exons 63..214

Seq. ID OJ990428_08.9924.C10
Strand +
End 214
Method GENSCAN
End 214
Score .6

Seq. No. 35032
Gene No. 72351
Start 147
Name OJ990428_08.9924.C11.o1.gs
Start 147
GI none
Exons 147..353

Seq. ID OJ990428_08.9924.C11
Strand +
End 353
Method GENSCAN
End 353
Score .99

Seq. No. 35033
Gene No. 72352
Start 1
Name OJ990428_08.9924.C13.o1.np
Start 1
GI 5903099
Exons 1..731

Seq. ID OJ990428_08.9924.C13
Strand -
End 731
Method AAT/NAP
End 731
Score 622

GI Descrip. (AC008017) Unknown protein [Arabidopsis thaliana]

Seq. No. 35033
Gene No. 72352
Start 1
Name OJ990428_08.9924.C13.o1.tm
Start 24
GI none
Exons 24..575, 25..288, 143..331, 177..398, 380..460, 444..728, 488..532, 489..533, 544..726, 585..728

Seq. ID OJ990428_08.9924.C13
Strand -
End 731
Method TBLASTX:Maize
End 728
Score 241

Seq. No. 35033
Gene No. 72352
Start 1
Name OJ990428_08.9924.C13.o2.ts

Seq. ID OJ990428_08.9924.C13
Strand -
End 731
Method TBLASTX:Soybean

Start 48
GI none
Exons 48..245, 49..249

End 249
Score 112

Seq. No. 35033
Gene No. 72352
Start 1
Name OJ990428_08.9924.C13.ol.ts
Start 303
GI none
Exons 303..470, 471..587, 501..692,

Seq. ID OJ990428_08.9924.C13
Strand -
End 731
Method TBLASTX:Soybean
End 692
Score 48
532..567, 589..684

Seq. No. 35034
Gene No. 72353
Start 535
Name OJ990428_08.9924.C14.ol.gs
Start 535
GI none
Exons 535..640

Seq. ID OJ990428_08.9924.C14
Strand -
End 640
Method GENSCAN
End 640
Score .5

Seq. No. 35034
Gene No. 72354
Start 541
Name OJ990428_08.9924.C14.ol.np
Start 541
GI 5107157
Exons 541..728

Seq. ID OJ990428_08.9924.C14
Strand -
End 728
Method AAT/NAP
End 728
Score 162

GI Descrip. (AF150084) small zinc finger-like protein [Malus domestica]

Seq. No. 35035
Gene No. 72355
Start 586
Name OJ990428_08.9924.C15.ol.gp
Start 586
GI 14187 1.R1084
Exons 586..769

Seq. ID OJ990428_08.9924.C15
Strand +
End 769
Method AAT/GAP
End 769
Score 255

GI Descrip. '5107819/gb|AAD40132.1|AF149413_13 1.0e-107 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'

Seq. No. 35035
Gene No. 72356
Start 1
Name OJ990428_08.9924.C15.ol.np
Start 1
GI 5107819
Exons 1..33, 499..776

Seq. ID OJ990428_08.9924.C15
Strand -
End 783
Method AAT/NAP
End 776
Score 157

GI Descrip. (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]

Seq. No. 35035
Gene No. 72356
Start 1
Name OJ990428_08.9924.C15.ol.tm
Start 590
GI none
Exons 590..757, 598..768, 605..760,

Seq. ID OJ990428_08.9924.C15
Strand -
End 783
Method TBLASTX:Maize
End 782
Score 221
606..782, 726..779

Seq. No. 35035
 Gene No. 72356
 Start 1
 Name OJ990428_08.9924.C15.o1.tw
 Start 590
 GI none
 Exons 590..757, 598..768, 605..760

Seq. ID OJ990428_08.9924.C15
 Strand -
 End 783
 Method TBLASTX:Wheat
 End 768
 Score 230

Seq. No. 35035
 Gene No. 72356
 Start 1
 Name OJ990428_08.9924.C15.o1.tc
 Start 598
 GI none
 Exons 598..783, 617..745

Seq. ID OJ990428_08.9924.C15
 Strand -
 End 783
 Method TBLASTX:Cress
 End 783
 Score 121

Seq. No. 35035
 Gene No. 72356
 Start 1
 Name OJ990428_08.9924.C15.o1.ts
 Start 598
 GI none
 Exons 598..768, 617..766

Seq. ID OJ990428_08.9924.C15
 Strand -
 End 783
 Method TBLASTX:Soybean
 End 768
 Score 173

Seq. No. 35036
 Gene No. 72357
 Start 57
 Name OJ990428_08.9924.C16.o1.gs
 Start 57
 GI none
 Exons 57..417

Seq. ID OJ990428_08.9924.C16
 Strand +
 End 417
 Method GENSCAN
 End 417
 Score .64

Seq. No. 35037
 Gene No. 72358
 Start 1
 Name OJ990428_08.9924.C17.o1.np
 Start 1
 GI 4680207
 Exons 1..527, 1371..1396
 GI Descrip. (AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]

Seq. ID OJ990428_08.9924.C17
 Strand -
 End 1396
 Method AAT/NAP
 End 1396
 Score 331

Seq. No. 35037
 Gene No. 72358
 Start 1
 Name OJ990428_08.9924.C17.o2.np
 Start 1
 GI 6523056
 Exons 1..658
 GI Descrip. (AL133314) putative protein [Arabidopsis thaliana]

Seq. ID OJ990428_08.9924.C17
 Strand -
 End 1396
 Method AAT/NAP
 End 658
 Score 225

Seq. No. 35037
 Gene No. 72358
 Start 1
 Name OJ990428_08.9924.C17.o2.tm
 Start 2
 GI none

Seq. ID OJ990428_08.9924.C17
 Strand -
 End 1396
 Method TBLASTX:Maize
 End 262
 Score 82

Exons 2..106, 3..98, 45..260, 119..262

Seq. No.	35037	Seq. ID	OJ990428_08.9924.C17
Gene No.	72358	Strand	-
Start	1	End	1396
Name	OJ990428_08.9924.C17.o1.gs	Method	GENSCAN
Start	21	End	1118
GI	none	Score	.85
Exons	21..464, 1051..1118		

Seq. No.	35037	Seq. ID	OJ990428_08.9924.C17
Gene No.	72358	Strand	-
Start	1	End	1396
Name	OJ990428_08.9924.C17.o1.ts	Method	TBLASTX:Soybean
Start	115	End	415
GI	none	Score	71
Exons	115..315, 119..334, 135..335, 338..415, 345..407		

Seq. No.	35037	Seq. ID	OJ990428_08.9924.C17
Gene No.	72358	Strand	-
Start	1	End	1396
Name	OJ990428_08.9924.C17.o1.tw	Method	TBLASTX:Wheat
Start	135	End	463
GI	none	Score	243
Exons	135..455, 137..463, 137..454		

Seq. No.	35037	Seq. ID	OJ990428_08.9924.C17
Gene No.	72358	Strand	-
Start	1	End	1396
Name	OJ990428_08.9924.C17.o1.tm	Method	TBLASTX:Maize
Start	263	End	659
GI	none	Score	301
Exons	263..658, 267..659		

Seq. No.	35038	Seq. ID	OJ990428_08.9924.C18
Gene No.	72359	Strand	-
Start	1	End	948
Name	OJ990428_08.9924.C18.o1.np	Method	AAT/NAP
Start	1	End	948
GI	6630556	Score	440
Exons	1..259, 362..431, 580..759, 836..948		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	35038	Seq. ID	OJ990428_08.9924.C18
Gene No.	72359	Strand	-
Start	1	End	948
Name	OJ990428_08.9924.C18.o1.ts	Method	TBLASTX:Soybean
Start	100	End	890
GI	none	Score	223
Exons	100..261, 111..260, 348..434, 361..462, 574..714, 575..715, 828..890		

Seq. No.	35038	Seq. ID	OJ990428_08.9924.C18
Gene No.	72359	Strand	-
Start	1	End	948
Name	OJ990428_08.9924.C18.o1.tm	Method	TBLASTX:Maize

Start	111	End	932
GI	none	Score	134
Exons	111..260, 114..203, 118..261, 125..268, 348..434, 360..434, 361..471, 569..724, 573..725, 574..726, 575..730, 827..868, 828..890, 829..894, 893..931, 894..932		

Seq. No.	35038	Seq. ID	OJ990428_08.9924.C18
Gene No.	72359	Strand	-
Start	1	End	948
Name	OJ990428_08.9924.C18.o1.gs	Method	GENSCAN
Start	114	End	727
GI	none	Score	.79
Exons	114..259, 362..431, 580..727		

Seq. No.	35038	Seq. ID	OJ990428_08.9924.C18
Gene No.	72359	Strand	-
Start	1	End	948
Name	OJ990428_08.9924.C18.o1.tc	Method	TBLASTX:Cress
Start	169	End	630
GI	none	Score	81
Exons	169..261, 171..260, 363..434, 396..440, 574..630		

Seq. No.	35038	Seq. ID	OJ990428_08.9924.C18
Gene No.	72359	Strand	-
Start	1	End	948
Name	OJ990428_08.9924.C18.o1.gp	Method	AAT/GAP
Start	334	End	948
GI	31091_1.R1084	Score	571
Exons	334..431, 580..727, 815..948		
GI Descrip.	'5107819/gb AAD40132.1 AF149413_13 3.0e-50 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	35039	Seq. ID	OJ990428_08.9924.C19
Gene No.	72360	Strand	+
Start	268	End	696
Name	OJ990428_08.9924.C19.o1.gs	Method	GENSCAN
Start	268	End	696
GI	none	Score	.43
Exons	268..696		

Seq. No.	35040	Seq. ID	OJ990428_08.9924.C20
Gene No.	72361	Strand	-
Start	99	End	337
Name	OJ990428_08.9924.C20.o1.gs	Method	GENSCAN
Start	99	End	337
GI	none	Score	.71
Exons	99..132, 223..337		

Seq. No.	35041	Seq. ID	OJ990428_08.9924.C21
Gene No.	72362	Strand	+
Start	309	End	1614
Name	OJ990428_08.9924.C21.o1.np	Method	AAT/NAP
Start	309	End	1614
GI	6815099	Score	96
Exons	309..347, 1497..1614		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	35041	Seq. ID	OJ990428_08.9924.C21
Gene No.	72363	Strand	+
Start	1791	End	10929
Name	OJ990428_08.9924.C21.o1.gs	Method	GENSCAN
Start	1791	End	10929
GI	none	Score	.61
Exons	1791..1909, 2295..2700, 2938..3069, 3579..3763, 4489..4660, 6301..6379, 6927..7034, 8206..8386, 10140..10441, 10850..10929		

Seq. No.	35041	Seq. ID	OJ990428_08.9924.C21
Gene No.	72363	Strand	+
Start	1791	End	10929
Name	OJ990428_08.9924.C21.o2.np	Method	AAT/NAP
Start	2932	End	4040
GI	6815053	Score	779
Exons	2932..3078, 3579..3754, 3804..4040		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	35041	Seq. ID	OJ990428_08.9924.C21
Gene No.	72363	Strand	+
Start	1791	End	10929
Name	OJ990428_08.9924.C21.o2.gp	Method	AAT/GAP
Start	6793	End	8634
GI	5003203	Score	686
Exons	6793..7034, 8022..8170, 8613..8634		

Seq. No.	35041	Seq. ID	OJ990428_08.9924.C21
Gene No.	72363	Strand	+
Start	1791	End	10929
Name	OJ990428_08.9924.C21.o4.gp	Method	AAT/GAP
Start	10159	End	10423
GI	none	Score	452
Exons	10159..10423		

Seq. No.	35041	Seq. ID	OJ990428_08.9924.C21
Gene No.	72364	Strand	-
Start	160	End	258
Name	OJ990428_08.9924.C21.o1.gp	Method	AAT/GAP
Start	160	End	258
GI	none	Score	172
Exons	160..258		

Seq. No.	35041	Seq. ID	OJ990428_08.9924.C21
Gene No.	72365	Strand	-
Start	7905	End	8408
Name	OJ990428_08.9924.C21.o3.gp	Method	AAT/GAP
Start	7905	End	8408
GI	LIB3431-055-P1-N1-G3	Score	890
Exons	7905..8408		
GI Descrip.	'5670155/gb AF161269.1 AF161269 1.0e-76 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	35041	Seq. ID	OJ990428_08.9924.C21
Gene No.	72366	Strand	-
Start	10929	End	11334
Name	OJ990428_08.9924.C21.o1.tm	Method	TBLASTX:Maize
Start	10147	End	10458

GI	none	Score	52
Exons	10147..10458, 10148..10201, 10195..10233, 10222..10446, 10245..10448		

Seq. No.	35041	Seq. ID	OJ990428_08.9924.C21
Gene No.	72366	Strand	-
Start	10929	End	11334
Name	OJ990428_08.9924.C21.o1.ts	Method	TBLASTX:Soybean
Start	10249	End	10950
GI	none	Score	189
Exons	10249..10443, 10272..10442, 10830..10940, 10849..10950		

Seq. No.	35041	Seq. ID	OJ990428_08.9924.C21
Gene No.	72366	Strand	-
Start	10929	End	11334
Name	OJ990428_08.9924.C21.o5.gp	Method	AAT/GAP
Start	10929	End	11334
GI	none	Score	615
Exons	10929..11334		

Seq. No.	35042	Seq. ID	OJ990428_08.9924.C22
Gene No.	72367	Strand	+
Start	819	End	1132
Name	OJ990428_08.9924.C22.o1.gs	Method	GENSCAN
Start	819	End	1132
GI	none	Score	.71
Exons	819..1132		

Seq. No.	35042	Seq. ID	OJ990428_08.9924.C22
Gene No.	72368	Strand	-
Start	1	End	185
Name	OJ990428_08.9924.C22.o1.gp	Method	AAT/GAP
Start	1	End	185
GI	none	Score	305
Exons	1..185		

Seq. No.	35043	Seq. ID	OJ990428_08.9924.C23
Gene No.	72369	Strand	-
Start	1	End	1042
Name	OJ990428_08.9924.C23.o1.np	Method	AAT/NAP
Start	1	End	1042
GI	5262797	Score	719
Exons	1..1042		
GI Descrip.	(AL080282) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	35043	Seq. ID	OJ990428_08.9924.C23
Gene No.	72369	Strand	-
Start	1	End	1042
Name	OJ990428_08.9924.C23.o1.tm	Method	TBLASTX:Maize
Start	142	End	1008
GI	none	Score	72
Exons	142..1005, 179..391, 428..865, 610..996, 682..1008, 715..990, 830..967		

Seq. No.	35043	Seq. ID	OJ990428_08.9924.C23
Gene No.	72369	Strand	-
Start	1	End	1042

Name	OJ990428_08.9924.C23.o1.ts	Method	TBLASTX:Soybean
Start	175	End	705
GI	none	Score	87
Exons	175..705, 197..361, 389..661, 499..663		

Seq. No.	35043	Seq. ID	OJ990428_08.9924.C23
Gene No.	72369	Strand	-
Start	1	End	1042
Name	OJ990428_08.9924.C23.o1.tc	Method	TBLASTX:Cress
Start	181	End	780
GI	none	Score	85
Exons	181..780, 500..640		

Seq. No.	35043	Seq. ID	OJ990428_08.9924.C23
Gene No.	72369	Strand	-
Start	1	End	1042
Name	OJ990428_08.9924.C23.o1.gs	Method	GENSCAN
Start	232	End	1032
GI	none	Score	.83
Exons	232..1032		

Seq. No.	35043	Seq. ID	OJ990428_08.9924.C23
Gene No.	72369	Strand	-
Start	1	End	1042
Name	OJ990428_08.9924.C23.o1.tw	Method	TBLASTX:Wheat
Start	424	End	1038
GI	none	Score	89
Exons	424..492, 568..1038, 569..664		

Seq. No.	35044	Seq. ID	OJ990428_08.9924.C24
Gene No.	72370	Strand	+
Start	149	End	395
Name	OJ990428_08.9924.C24.o1.gs	Method	GENSCAN
Start	149	End	395
GI	none	Score	.71
Exons	149..197, 235..395		

Seq. No.	35044	Seq. ID	OJ990428_08.9924.C24
Gene No.	72371	Strand	+
Start	519	End	1948
Name	OJ990428_08.9924.C24.o2.gs	Method	GENSCAN
Start	519	End	1948
GI	none	Score	.93
Exons	519..998, 1514..1948		

Seq. No.	35044	Seq. ID	OJ990428_08.9924.C24
Gene No.	72372	Strand	-
Start	3383	End	10689
Name	OJ990428_08.9924.C24.o1.np	Method	AAT/NAP
Start	2293	End	10594
GI	6630556	Score	1357
Exons	2293..2356, 3474..3565, 3949..4092, 4298..4490, 4580..4636, 5171..5301, 5344..5518, 5885..6035, 6201..6253, 6353..6397, 6488..6633, 6709..6778, 7154..7307, 7431..7552, 7905..8095, 9405..9459, 9580..9676, 10497..10594		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	35044	Seq. ID	OJ990428_08.9924.C24
Gene No.	72372	Strand	-
Start	3383	End	10689
Name	OJ990428_08.9924.C24.o1.gp	Method	AAT/GAP
Start	3291	End	3436
GI	2797626	Score	275
Exons	3291..3436		

Seq. No.	35044	Seq. ID	OJ990428_08.9924.C24
Gene No.	72372	Strand	-
Start	3383	End	10689
Name	OJ990428_08.9924.C24.o3.gs	Method	GENSCAN
Start	3383	End	10689
GI	none	Score	.69
Exons	3383..3385, 3949..4092, 4298..4490, 4580..4636, 5171..5283, 5400..5518, 5885..6035, 6488..6633, 6709..6778, 7785..7886, 7905..8095, 8308..8469, 9580..9782, 9822..9879, 10345..10456, 10541..10689		

Seq. No.	35044	Seq. ID	OJ990428_08.9924.C24
Gene No.	72372	Strand	-
Start	3383	End	10689
Name	OJ990428_08.9924.C24.o2.gp	Method	AAT/GAP
Start	6978	End	7500
GI	uC-osflcyp141d01b1	Score	704
Exons	6978..7301, 7431..7500		
GI Descrip.	'5107819/gb AAD40132.1 AF149413_13 9.0e-14 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	35044	Seq. ID	OJ990428_08.9924.C24
Gene No.	72373	Strand	-
Start	10802	End	11068
Name	OJ990428_08.9924.C24.o1.ts	Method	TBLASTX:Soybean
Start	3479	End	8072
GI	none	Score	94
Exons	3479..3568, 3946..4014, 4036..4098, 4316..4489, 4329..4493, 4401..4496, 4582..4638, 4586..4639, 5171..5239, 5260..5286, 5261..5293, 5397..5516, 5398..5526, 5407..5517, 5904..6026, 5906..6019, 5910..6044, 5911..6045, 6365..6400, 6368..6406, 6485..6646, 6486..6635, 6707..6793, 6708..6779, 7140..7205, 7142..7294, 7148..7294, 7433..7552, 7443..7553, 7905..7952, 7906..7953, 7956..8072, 7956..8072		

Seq. No.	35044	Seq. ID	OJ990428_08.9924.C24
Gene No.	72373	Strand	-
Start	10802	End	11068
Name	OJ990428_08.9924.C24.o1.tm	Method	TBLASTX:Maize
Start	3946	End	9678
GI	none	Score	126
Exons	3946..4098, 3947..4090, 4293..4490, 4295..4492, 4296..4493, 4297..4494, 4577..4639, 4577..4627, 4579..4665, 4579..4638, 5171..5215, 5171..5218, 5260..5286, 5397..5516, 5398..5508, 5399..5518, 5897..6037, 5910..6041, 5911..6045, 5913..6062, 6201..6251, 6201..6254, 6365..6406, 6368..6406, 6485..6646, 6488..6631, 6492..6635, 6696..6779, 6707..6781, 6708..6779, 7140..7205, 7142..7288, 7148..7285, 7152..7289, 7442..7552,		

7443..7553, 7905..8072, 7905..8072, 7906..8073, 7907..8074,
9376..9462, 9404..9481, 9580..9678

Seq. No.	35044	Seq. ID	OJ990428_08.9924.C24
Gene No.	72373	Strand	-
Start	10802	End	11068
Name	OJ990428_08.9924.C24.o1.tc	Method	TBLASTX:Cress
Start	3949	End	5239
GI	none	Score	87
Exons	3949..4014, 4292..4489, 4401..4487, 4424..4489, 4582..4635, 4582..4638, 4586..4639, 5186..5239		

Seq. No.	35044	Seq. ID	OJ990428_08.9924.C24
Gene No.	72373	Strand	-
Start	10802	End	11068
Name	OJ990428_08.9924.C24.o1.tw	Method	TBLASTX:Wheat
Start	4295	End	4641
GI	none	Score	233
Exons	4295..4492, 4299..4493, 4299..4505, 4327..4494, 4579..4641, 4579..4638		

Seq. No.	35044	Seq. ID	OJ990428_08.9924.C24
Gene No.	72373	Strand	-
Start	10802	End	11068
Name	OJ990428_08.9924.C24.o2.tw	Method	TBLASTX:Wheat
Start	5397	End	6045
GI	none	Score	145
Exons	5397..5516, 5398..5508, 5910..6041, 5911..6045		

Seq. No.	35044	Seq. ID	OJ990428_08.9924.C24
Gene No.	72373	Strand	-
Start	10802	End	11068
Name	OJ990428_08.9924.C24.o3.gp	Method	AAT/GAP
Start	10802	End	11068
GI	14187_1.R1084	Score	464
Exons	10802..11068		
GI Descrip.	'5107819/gb AAD40132.1 AF149413_13 1.0e-107 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	35045	Seq. ID	OJ990428_08.9924.C25
Gene No.	72374	Strand	-
Start	31	End	3010
Name	OJ990428_08.9924.C25.o1.gs	Method	GENSCAN
Start	31	End	2129
GI	none	Score	.85
Exons	31..179, 696..717, 945..1088, 1171..1363, 1450..1506, 1648..1751, 2058..2129		

Seq. No.	35045	Seq. ID	OJ990428_08.9924.C25
Gene No.	72374	Strand	-
Start	31	End	3010
Name	OJ990428_08.9924.C25.o1.gp	Method	AAT/GAP
Start	292	End	2937
GI	14187_1.R1084	Score	2258
Exons	292..832, 945..1088, 1171..1363, 1450..1506, 1648..1751, 2058..2129, 2237..2363, 2892..2937		
GI Descrip.	'5107819/gb AAD40132.1 AF149413_13 1.0e-107 (AF149413) contains		

similarity to arabinosidase [Arabidopsis thaliana]'

Seq. No.	35045	Seq. ID	OJ990428_08.9924.C25
Gene No.	72374	Strand	-
Start	31	End	3010
Name	OJ990428_08.9924.C25.o1.np	Method	AAT/NAP
Start	677	End	3010
GI	6630556	Score	636
Exons	677..832, 945..1088, 1171..1363, 1450..1506, 1648..1751, 2058..2129, 2237..2364, 2938..3010		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	35045	Seq. ID	OJ990428_08.9924.C25
Gene No.	72374	Strand	-
Start	31	End	3010
Name	OJ990428_08.9924.C25.o2.ts	Method	TBLASTX:Soybean
Start	695	End	2365
GI	none	Score	46
Exons	695..844, 894..989, 2047..2133, 2058..2129, 2234..2365, 2244..2357		

Seq. No.	35045	Seq. ID	OJ990428_08.9924.C25
Gene No.	72374	Strand	-
Start	31	End	3010
Name	OJ990428_08.9924.C25.o1.tm	Method	TBLASTX:Maize
Start	710	End	2362
GI	none	Score	157
Exons	710..841, 711..890, 711..875, 939..1094, 943..1095, 944..1117, 1159..1362, 1171..1362, 1193..1366, 1449..1508, 1449..1508, 1648..1752, 1651..1752, 1652..1753, 1652..1771, 2047..2136, 2056..2127, 2058..2135, 2234..2362, 2235..2357, 2237..2362		

Seq. No.	35045	Seq. ID	OJ990428_08.9924.C25
Gene No.	72374	Strand	-
Start	31	End	3010
Name	OJ990428_08.9924.C25.o1.tc	Method	TBLASTX:Cress
Start	728	End	1725
GI	none	Score	58
Exons	728..859, 747..860, 945..1013, 952..1023, 984..1094, 1150..1236, 1216..1365, 1268..1363, 1452..1508, 1455..1508, 1648..1725		

Seq. No.	35045	Seq. ID	OJ990428_08.9924.C25
Gene No.	72374	Strand	-
Start	31	End	3010
Name	OJ990428_08.9924.C25.o1.ts	Method	TBLASTX:Soybean
Start	990	End	1771
GI	none	Score	52
Exons	990..1094, 991..1083, 1189..1365, 1196..1369, 1443..1508, 1452..1508, 1648..1722, 1712..1771		

Seq. No.	35045	Seq. ID	OJ990428_08.9924.C25
Gene No.	72374	Strand	-
Start	31	End	3010
Name	OJ990428_08.9924.C25.o1.tw	Method	TBLASTX:Wheat
Start	1159	End	1511
GI	none	Score	237

Exons 1159..1362, 1159..1362, 1196..1366, 1202..1378, 1448..1510,
1449..1511, 1449..1508

Seq. No.	35045	Seq. ID	OJ990428_08.9924.C25
Gene No.	72374	Strand	-
Start	31	End	3010
Name	OJ990428_08.9924.C25.o2.tc	Method	TBLASTX:Cress
Start	2058	End	2365
GI	none	Score	92
Exons	2058..2129, 2234..2365, 2253..2363		

Seq. No.	35045	Seq. ID	OJ990428_08.9924.C25
Gene No.	72374	Strand	-
Start	31	End	3010
Name	OJ990428_08.9924.C25.o2.tw	Method	TBLASTX:Wheat
Start	2109	End	2365
GI	none	Score	176
Exons	2109..2135, 2230..2355, 2234..2365, 2235..2357		

Seq. No.	35046	Seq. ID	OJ990428_08.9924.C26
Gene No.	72375	Strand	-
Start	1	End	5341
Name	OJ990428_08.9924.C26.o1.np	Method	AAT/NAP
Start	1	End	3404
GI	6630556	Score	1097
Exons	1..82, 379..535, 1080..1132, 1211..1256, 1370..1515, 1618..1687, 1836..1989, 2071..2192, 2431..2627, 2991..3045, 3225..3404		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	35046	Seq. ID	OJ990428_08.9924.C26
Gene No.	72375	Strand	-
Start	1	End	5341
Name	OJ990428_08.9924.C26.o1.gp	Method	AAT/GAP
Start	361	End	1439
GI	14187_1.R1084	Score	542
Exons	361..535, 1080..1132, 1211..1256, 1370..1439		
GI Descrip.	'5107819/gb AAD40132.1 AF149413_13 1.0e-107 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	35046	Seq. ID	OJ990428_08.9924.C26
Gene No.	72375	Strand	-
Start	1	End	5341
Name	OJ990428_08.9924.C26.o1.tm	Method	TBLASTX:Maize
Start	371	End	3408
GI	none	Score	229
Exons	371..517, 378..536, 379..555, 499..552, 1069..1134, 1080..1136, 1204..1257, 1209..1259, 1209..1259, 1367..1516, 1370..1459, 1374..1517, 1381..1524, 1604..1690, 1617..1727, 1825..1980, 1830..1982, 1830..1982, 1831..1986, 2073..2192, 2073..2192, 2074..2193, 2074..2193, 2078..2194, 2431..2628, 2432..2632, 2433..2633, 2433..2630, 2989..3045, 2990..3046, 3210..3308, 3220..3369, 3223..3306, 3224..3370, 3225..3338, 3325..3408		

Seq. No.	35046	Seq. ID	OJ990428_08.9924.C26
Gene No.	72375	Strand	-
Start	1	End	5341

Name	OJ990428_08.9924.C26.o1.ts	Method	TBLASTX:Soybean
Start	371	End	2628
GI	none	Score	183
Exons	371..517, 390..539, 1070..1123, 1080..1136, 1204..1260, 1209..1259, 1356..1517, 1367..1516, 1604..1690, 1617..1718, 1830..1967, 1830..1970, 1831..1971, 2073..2192, 2083..2193, 2431..2478, 2432..2482, 2479..2628, 2480..2623		
Seq. No.	35046	Seq. ID	OJ990428_08.9924.C26
Gene No.	72375	Strand	-
Start	1	End	5341
Name	OJ990428_08.9924.C26.o1.tw	Method	TBLASTX:Wheat
Start	371	End	1226
GI	none	Score	238
Exons	371..517, 378..536, 379..552, 379..537, 1069..1134, 1080..1136, 1209..1226		
Seq. No.	35046	Seq. ID	OJ990428_08.9924.C26
Gene No.	72375	Strand	-
Start	1	End	5341
Name	OJ990428_08.9924.C26.o2.tc	Method	TBLASTX:Cress
Start	371	End	1124
GI	none	Score	127
Exons	371..517, 390..536, 403..543, 1080..1124		
Seq. No.	35046	Seq. ID	OJ990428_08.9924.C26
Gene No.	72375	Strand	-
Start	1	End	5341
Name	OJ990428_08.9924.C26.o1.gs	Method	GENSCAN
Start	391	End	5341
GI	none	Score	.61
Exons	391..535, 1370..1515, 1618..1687, 1836..1983, 2071..2192, 2431..2627, 2991..3045, 3225..3338, 3862..3961, 4022..4206, 5336..5341		
Seq. No.	35046	Seq. ID	OJ990428_08.9924.C26
Gene No.	72375	Strand	-
Start	1	End	5341
Name	OJ990428_08.9924.C26.o2.gp	Method	AAT/GAP
Start	1618	End	3932
GI	31091_1.R1084	Score	1632
Exons	1618..1687, 1836..1983, 2071..2192, 2431..2627, 2991..3045, 3225..3442, 3862..3932		
GI Descrip.	'5107819/gb AAD40132.1 AF149413_13 3.0e-50 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		
Seq. No.	35046	Seq. ID	OJ990428_08.9924.C26
Gene No.	72375	Strand	-
Start	1	End	5341
Name	OJ990428_08.9924.C26.o1.tc	Method	TBLASTX:Cress
Start	2482	End	3293
GI	none	Score	153
Exons	2482..2628, 2483..2632, 2483..2629, 2989..3045, 2990..3046, 3225..3293		
Seq. No.	35047	Seq. ID	OJ990428_08.9924.C29
Gene No.	72376	Strand	-

Start	1	End	1741
Name	OJ990428_08.9924.C29.o1.np	Method	AAT/NAP
Start	1	End	1741
GI	4680207	Score	285
Exons	1..18, 278..1094, 1703..1741		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	35047	Seq. ID	OJ990428_08.9924.C29
Gene No.	72376	Strand	-
Start	1	End	1741
Name	OJ990428_08.9924.C29.o1.gs	Method	GENSCAN
Start	238	End	1400
GI	none	Score	.66
Exons	238..1059, 1334..1400		

Seq. No.	35047	Seq. ID	OJ990428_08.9924.C29
Gene No.	72376	Strand	-
Start	1	End	1741
Name	OJ990428_08.9924.C29.o2.tm	Method	TBLASTX:Maize
Start	355	End	546
GI	none	Score	123
Exons	355..546, 356..517, 388..546		

Seq. No.	35047	Seq. ID	OJ990428_08.9924.C29
Gene No.	72376	Strand	-
Start	1	End	1741
Name	OJ990428_08.9924.C29.o2.np	Method	AAT/NAP
Start	359	End	1116
GI	6721550	Score	207
Exons	359..1116		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		

Seq. No.	35047	Seq. ID	OJ990428_08.9924.C29
Gene No.	72376	Strand	-
Start	1	End	1741
Name	OJ990428_08.9924.C29.o1.tm	Method	TBLASTX:Maize
Start	547	End	1071
GI	none	Score	119
Exons	547..810, 565..795, 587..814, 691..753, 835..1035, 847..1071, 852..1067		

Seq. No.	35047	Seq. ID	OJ990428_08.9924.C29
Gene No.	72376	Strand	-
Start	1	End	1741
Name	OJ990428_08.9924.C29.o1.tw	Method	TBLASTX:Wheat
Start	868	End	1096
GI	none	Score	88
Exons	868..978, 868..1086, 954..1067, 956..1096		

Seq. No.	35048	Seq. ID	OJ990428_08.9924.C30
Gene No.	72377	Strand	-
Start	30	End	3738
Name	OJ990428_08.9924.C30.o1.gs	Method	GENSCAN
Start	30	End	3738
GI	none	Score	.49
Exons	30..175, 321..376, 752..879, 2291..2404, 3550..3738		

Seq. No. 35049
 Gene No. 72378
 Start 1205
 Name OJ990428_08.9924.C31.o1.gp
 Start 1205
 GI 5039025
 Exons 1205..1622

Seq. ID OJ990428_08.9924.C31
 Strand +
 End 1739
 Method AAT/GAP
 End 1622
 Score 797

Seq. No. 35049
 Gene No. 72378
 Start 1205
 Name OJ990428_08.9924.C31.o1.gs
 Start 1324
 GI none
 Exons 1324..1698

Seq. ID OJ990428_08.9924.C31
 Strand +
 End 1739
 Method GENSCAN
 End 1698
 Score .53

Seq. No. 35049
 Gene No. 72378
 Start 1205
 Name OJ990428_08.9924.C31.o1.np
 Start 1367
 GI 6721506
 Exons 1367..1739

Seq. ID OJ990428_08.9924.C31
 Strand +
 End 1739
 Method AAT/NAP
 End 1739
 Score 131

GI Descrip. (AP001072) EST AU069682(C1560) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 35050
 Gene No. 72379
 Start 1321
 Name OJ990428_08.9924.C32.o1.gs
 Start 1321
 GI none
 Exons 1321..1416

Seq. ID OJ990428_08.9924.C32
 Strand +
 End 1416
 Method GENSCAN
 End 1416
 Score .69

Seq. No. 35051
 Gene No. 72380
 Start 526
 Name OJ990428_08.9924.C33.o1.gs
 Start 526
 GI none
 Exons 526..660, 834..1034

Seq. ID OJ990428_08.9924.C33
 Strand +
 End 1034
 Method GENSCAN
 End 1034
 Score .62

Seq. No. 35051
 Gene No. 72380
 Start 526
 Name OJ990428_08.9924.C33.o1.gp
 Start 837
 GI none
 Exons 837..1017

Seq. ID OJ990428_08.9924.C33
 Strand +
 End 1034
 Method AAT/GAP
 End 1017
 Score 256

Seq. No. 35051
 Gene No. 72381
 Start 2460
 Name OJ990428_08.9924.C33.o2.gs
 Start 2460
 GI none

Seq. ID OJ990428_08.9924.C33
 Strand -
 End 3869
 Method GENSCAN
 End 3869
 Score .86

Exons 2460..2573, 2618..2710, 2839..2911, 3000..3094, 3771..3869

Seq. No.	35052	Seq. ID	OJ990428_08.9924.C34
Gene No.	72382	Strand	+
Start	867	End	2051
Name	OJ990428_08.9924.C34.o1.gs	Method	GENSCAN
Start	867	End	2051
GI	none	Score	.61
Exons	867..2051		

Seq. No.	35052	Seq. ID	OJ990428_08.9924.C34
Gene No.	72383	Strand	-
Start	2581	End	2684
Name	OJ990428_08.9924.C34.o2.gs	Method	GENSCAN
Start	2581	End	2684
GI	none	Score	.67
Exons	2581..2684		

Seq. No.	35053	Seq. ID	OJ990428_08.9924.C35
Gene No.	72384	Strand	+
Start	1	End	1192
Name	OJ990428_08.9924.C35.o1.np	Method	AAT/NAP
Start	1	End	640
GI	4263522	Score	552
Exons	1..640		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35053	Seq. ID	OJ990428_08.9924.C35
Gene No.	72384	Strand	+
Start	1	End	1192
Name	OJ990428_08.9924.C35.o1.gs	Method	GENSCAN
Start	11	End	1192
GI	none	Score	.9
Exons	11..616, 1130..1192		

Seq. No.	35053	Seq. ID	OJ990428_08.9924.C35
Gene No.	72385	Strand	-
Start	2523	End	3812
Name	OJ990428_08.9924.C35.o5.ts	Method	TBLASTX:Soybean
Start	2	End	274
GI	none	Score	199
Exons	2..274		

Seq. No.	35053	Seq. ID	OJ990428_08.9924.C35
Gene No.	72385	Strand	-
Start	2523	End	3812
Name	OJ990428_08.9924.C35.o2.tm	Method	TBLASTX:Maize
Start	65	End	598
GI	none	Score	391
Exons	65..598, 115..363, 451..585		

Seq. No.	35053	Seq. ID	OJ990428_08.9924.C35
Gene No.	72385	Strand	-
Start	2523	End	3812
Name	OJ990428_08.9924.C35.o1.tc	Method	TBLASTX:Cress
Start	85	End	643
GI	none	Score	474

Exons 85..384, 86..643, 383..640

Seq. No.	35053	Seq. ID	OJ990428_08.9924.C35
Gene No.	72385	Strand	-
Start	2523	End	3812
Name	OJ990428_08.9924.C35.o2.ts	Method	TBLASTX:Soybean
Start	275	End	651
GI	none	Score	332
Exons	275..643, 353..643, 451..651		

Seq. No.	35053	Seq. ID	OJ990428_08.9924.C35
Gene No.	72385	Strand	-
Start	2523	End	3812
Name	OJ990428_08.9924.C35.o1.tm	Method	TBLASTX:Maize
Start	2428	End	3426
GI	none	Score	114
Exons	2428..2460, 2526..2573, 2622..2891, 2625..2795, 2647..2877, 2934..3101, 2934..3425, 2962..3426, 3160..3426		

Seq. No.	35053	Seq. ID	OJ990428_08.9924.C35
Gene No.	72385	Strand	-
Start	2523	End	3812
Name	OJ990428_08.9924.C35.o2.np	Method	AAT/NAP
Start	2523	End	3812
GI	5903099	Score	1023
Exons	2523..3812		
GI Descrip.	(AC008017) Unknown protein [Arabidopsis thaliana]		

Seq. No.	35053	Seq. ID	OJ990428_08.9924.C35
Gene No.	72385	Strand	-
Start	2523	End	3812
Name	OJ990428_08.9924.C35.o4.ts	Method	TBLASTX:Soybean
Start	2532	End	2792
GI	none	Score	196
Exons	2532..2573, 2625..2792		

Seq. No.	35053	Seq. ID	OJ990428_08.9924.C35
Gene No.	72385	Strand	-
Start	2523	End	3812
Name	OJ990428_08.9924.C35.o1.ts	Method	TBLASTX:Soybean
Start	3003	End	3471
GI	none	Score	93
Exons	3003..3134, 3003..3467, 3004..3186, 3271..3471		

Seq. No.	35053	Seq. ID	OJ990428_08.9924.C35
Gene No.	72385	Strand	-
Start	2523	End	3812
Name	OJ990428_08.9924.C35.o3.tm	Method	TBLASTX:Maize
Start	3429	End	3749
GI	none	Score	119
Exons	3429..3620, 3429..3701, 3602..3682, 3675..3749, 3710..3748		

Seq. No.	35053	Seq. ID	OJ990428_08.9924.C35
Gene No.	72385	Strand	-
Start	2523	End	3812
Name	OJ990428_08.9924.C35.o3.ts	Method	TBLASTX:Soybean
Start	3477	End	3707

GI none Score 242
Exons 3477..3707

Seq. No. 35054 Seq. ID OJ990428_08.9924.C36
Gene No. 72386 Strand +
Start 1104 End 4931
Name OJ990428_08.9924.C36.o3.np Method AAT/NAP
Start 1104 End 4931
GI 1245061 Score 148
Exons 1104..1157, 4552..4931
GI Descrip. (U46069) fertilin alpha subunit [Oryctolagus cuniculus]

Seq. No. 35054 Seq. ID OJ990428_08.9924.C36
Gene No. 72387 Strand +
Start 5986 End 8753
Name OJ990428_08.9924.C36.o4.np Method AAT/NAP
Start 5986 End 8617
GI 623586 Score 75
Exons 5986..6016, 7254..7387, 8565..8617
GI Descrip. (L29273) putative [Nicotiana tabacum]

Seq. No. 35054 Seq. ID OJ990428_08.9924.C36
Gene No. 72387 Strand +
Start 5986 End 8753
Name OJ990428_08.9924.C36.o1.gp Method AAT/GAP
Start 6243 End 6638
GI 4881046 Score 640
Exons 6243..6638

Seq. No. 35054 Seq. ID OJ990428_08.9924.C36
Gene No. 72387 Strand +
Start 5986 End 8753
Name OJ990428_08.9924.C36.o2.gp Method AAT/GAP
Start 7335 End 8753
GI 5455584 Score 1284
Exons 7335..7380, 7883..7962, 8067..8324, 8420..8753
GI Descrip. 5670155/gb|AF161269.1|AF161269 1.0e-76 Oryza sativa subsp.
japonica BAC clone 34K24, complete sequence

Seq. No. 35054 Seq. ID OJ990428_08.9924.C36
Gene No. 72388 Strand -
Start 1 End 1180
Name OJ990428_08.9924.C36.o1.np Method AAT/NAP
Start 1 End 1180
GI 5903099 Score 497
Exons 1..1180
GI Descrip. (AC008017) Unknown protein [Arabidopsis thaliana]

Seq. No. 35054 Seq. ID OJ990428_08.9924.C36
Gene No. 72389 Strand -
Start 2550 End 2780
Name OJ990428_08.9924.C36.o2.np Method AAT/NAP
Start 2550 End 2780
GI 5107155 Score 188
Exons 2550..2780
GI Descrip. (AF150083) small zinc finger-like protein [Arabidopsis thaliana]

Seq. No.	35054	Seq. ID	OJ990428_08.9924.C36
Gene No.	72390	Strand	-
Start	4117	End	5017
Name	OJ990428_08.9924.C36.o2.gs	Method	GENSCAN
Start	4117	End	5017
GI	none	Score	.55
Exons	4117..4256, 4589..4843, 4897..5017		

Seq. No.	35054	Seq. ID	OJ990428_08.9924.C36
Gene No.	72391	Strand	-
Start	7502	End	8938
Name	OJ990428_08.9924.C36.o1.tm	Method	TBLASTX:Maize
Start	46	End	1132
GI	none	Score	111
Exons	46..228, 47..163, 104..436, 241..321, 305..718, 349..393, 446..694, 1025..1132		

Seq. No.	35054	Seq. ID	OJ990428_08.9924.C36
Gene No.	72391	Strand	-
Start	7502	End	8938
Name	OJ990428_08.9924.C36.o1.ts	Method	TBLASTX:Soybean
Start	167	End	553
GI	none	Score	48
Exons	167..331, 332..448, 362..553, 393..428, 450..545		

Seq. No.	35054	Seq. ID	OJ990428_08.9924.C36
Gene No.	72391	Strand	-
Start	7502	End	8938
Name	OJ990428_08.9924.C36.o2.ts	Method	TBLASTX:Soybean
Start	2541	End	2732
GI	none	Score	67
Exons	2541..2732, 2568..2714		

Seq. No.	35054	Seq. ID	OJ990428_08.9924.C36
Gene No.	72391	Strand	-
Start	7502	End	8938
Name	OJ990428_08.9924.C36.o1.tc	Method	TBLASTX:Cress
Start	2553	End	2738
GI	none	Score	106
Exons	2553..2738, 2562..2717		

Seq. No.	35054	Seq. ID	OJ990428_08.9924.C36
Gene No.	72391	Strand	-
Start	7502	End	8938
Name	OJ990428_08.9924.C36.o1.tw	Method	TBLASTX:Wheat
Start	2562	End	2738
GI	none	Score	68
Exons	2562..2714, 2562..2738		

Seq. No.	35054	Seq. ID	OJ990428_08.9924.C36
Gene No.	72391	Strand	-
Start	7502	End	8938
Name	OJ990428_08.9924.C36.o2.tm	Method	TBLASTX:Maize
Start	2562	End	2738
GI	none	Score	79
Exons	2562..2738, 2571..2714		

Seq. No.	35054	Seq. ID	OJ990428_08.9924.C36
Gene No.	72391	Strand	-
Start	7502	End	8938
Name	OJ990428_08.9924.C36.o3.gs	Method	GENSCAN
Start	7502	End	8938
GI	none	Score	.81
Exons	7502..7611, 8393..8571, 8787..8938		

Seq. No.	35055	Seq. ID	OJ990428_08.9924.C39
Gene No.	72392	Strand	-
Start	1	End	546
Name	OJ990428_08.9924.C39.o1.np	Method	AAT/NAP
Start	1	End	546
GI	5257262	Score	116
Exons	1..319, 466..546		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	35056	Seq. ID	OJ990428_08.9924.C43
Gene No.	72393	Strand	+
Start	8796	End	11738
Name	OJ990428_08.9924.C43.o3.gs	Method	GENSCAN
Start	8796	End	11738
GI	none	Score	.51
Exons	8796..8836, 10057..10453, 10554..10709, 11469..11738		

Seq. No.	35056	Seq. ID	OJ990428_08.9924.C43
Gene No.	72394	Strand	-
Start	4194	End	8636
Name	OJ990428_08.9924.C43.o1.tm	Method	TBLASTX:Maize
Start	1375	End	1608
GI	none	Score	195
Exons	1375..1608, 1390..1521, 1409..1525, 1413..1541		

Seq. No.	35056	Seq. ID	OJ990428_08.9924.C43
Gene No.	72394	Strand	-
Start	4194	End	8636
Name	OJ990428_08.9924.C43.o2.gs	Method	GENSCAN
Start	4194	End	8149
GI	none	Score	.41
Exons	4194..4789, 5899..5980, 6785..7578, 8083..8149		

Seq. No.	35056	Seq. ID	OJ990428_08.9924.C43
Gene No.	72394	Strand	-
Start	4194	End	8636
Name	OJ990428_08.9924.C43.o1.np	Method	AAT/NAP
Start	4257	End	8636
GI	5257262	Score	352
Exons	4257..4340, 4539..5071, 5899..6081, 7333..7362, 8549..8636		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	35056	Seq. ID	OJ990428_08.9924.C43
Gene No.	72394	Strand	-
Start	4194	End	8636
Name	OJ990428_08.9924.C43.o1.tw	Method	TBLASTX:Wheat
Start	4536	End	7426
GI	none	Score	104
Exons	4536..4637, 4537..4809, 4686..4808, 4839..4919, 4843..4917,		

7043..7351, 7044..7316, 7325..7426, 7341..7424

Seq. No.	35057	Seq. ID	OJ990428_08.9924.C45
Gene No.	72395	Strand	+
Start	4323	End	5207
Name	OJ990428_08.9924.C45.o1.np	Method	AAT/NAP
Start	4323	End	5207
GI	3402705	Score	457
Exons	4323..4718, 4821..5207		
GI Descrip.	(AC004261) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35057	Seq. ID	OJ990428_08.9924.C45
Gene No.	72396	Strand	+
Start	6538	End	6948
Name	OJ990428_08.9924.C45.o1.gp	Method	AAT/GAP
Start	6538	End	6948
GI	none	Score	497
Exons	6538..6613, 6692..6948		

Seq. No.	35057	Seq. ID	OJ990428_08.9924.C45
Gene No.	72396	Strand	+
Start	6538	End	6948
Name	OJ990428_08.9924.C45.o2.gp	Method	AAT/GAP
Start	6544	End	6948
GI	none	Score	496
Exons	6544..6613, 6692..6948		

Seq. No.	35057	Seq. ID	OJ990428_08.9924.C45
Gene No.	72397	Strand	+
Start	9469	End	9577
Name	OJ990428_08.9924.C45.o3.gp	Method	AAT/GAP
Start	9469	End	9577
GI	none	Score	178
Exons	9469..9577		

Seq. No.	35057	Seq. ID	OJ990428_08.9924.C45
Gene No.	72398	Strand	-
Start	1269	End	3030
Name	OJ990428_08.9924.C45.o1.gs	Method	GENSCAN
Start	1269	End	3030
GI	none	Score	.85
Exons	1269..1577, 1842..2075, 2207..2287, 2368..2564, 2913..3030		

Seq. No.	35057	Seq. ID	OJ990428_08.9924.C45
Gene No.	72398	Strand	-
Start	1269	End	3030
Name	OJ990428_08.9924.C45.o2.tm	Method	TBLASTX:Maize
Start	1857	End	2565
GI	none	Score	129
Exons	1857..2063, 1857..2081, 1858..2079, 2201..2293, 2205..2294, 2365..2406, 2366..2401, 2368..2406, 2407..2538, 2411..2506, 2424..2537, 2425..2538, 2542..2565		

Seq. No.	35057	Seq. ID	OJ990428_08.9924.C45
Gene No.	72399	Strand	
Start	4497	End	4900
Name	OJ990428_08.9924.C45.o3.tm	Method	TBLASTX:Maize

Start	4497	End	4900
GI	none	Score	250
Exons	4497..4613, 4559..4717, 4560..4718, 4662..4724, 4818..4862, 4818..4892, 4820..4900		

Seq. No.	35057	Seq. ID	OJ990428_08.9924.C45
Gene No.	72399	Strand	
Start	4497	End	4900
Name	OJ990428_08.9924.C45.o3.ts	Method	TBLASTX:Soybean
Start	4562	End	4694
GI	none	Score	182
Exons	4562..4693, 4563..4694		

Seq. No.	35057	Seq. ID	OJ990428_08.9924.C45
Gene No.	72400	Strand	
Start	4833	End	5213
Name	OJ990428_08.9924.C45.o1.ts	Method	TBLASTX:Soybean
Start	4833	End	5192
GI	none	Score	50
Exons	4833..4862, 4833..4883, 4901..5050, 4902..5087, 5138..5185, 5139..5192		

Seq. No.	35057	Seq. ID	OJ990428_08.9924.C45
Gene No.	72400	Strand	
Start	4833	End	5213
Name	OJ990428_08.9924.C45.o4.tm	Method	TBLASTX:Maize
Start	4901	End	5213
GI	none	Score	155
Exons	4901..5122, 4901..5122, 4902..5123, 5082..5207, 5120..5203, 5138..5212, 5142..5213		

Seq. No.	35057	Seq. ID	OJ990428_08.9924.C45
Gene No.	72401	Strand	
Start	9474	End	10283
Name	OJ990428_08.9924.C45.o1.tm	Method	TBLASTX:Maize
Start	9474	End	10283
GI	none	Score	322
Exons	9474..9758, 9476..9655, 9483..9689, 9836..9973, 9840..10010, 9841..10014, 9841..10017, 9851..10015, 10119..10283, 10125..10283		

Seq. No.	35057	Seq. ID	OJ990428_08.9924.C45
Gene No.	72401	Strand	
Start	9474	End	10283
Name	OJ990428_08.9924.C45.o2.ts	Method	TBLASTX:Soybean
Start	9561	End	9909
GI	none	Score	200
Exons	9561..9758, 9566..9655, 9579..9719, 9841..9909		

Seq. No.	35058	Seq. ID	OJ990428_08.9924.C46
Gene No.	72402	Strand	+
Start	39	End	355
Name	OJ990428_08.9924.C46.o1.gs	Method	GENSCAN
Start	39	End	355
GI	none	Score	.91
Exons	39..77, 332..355		

Seq. No.	35059	Seq. ID	OJ990428_08.9924.C48
Gene No.	72403	Strand	+
Start	1	End	731
Name	OJ990428_08.9924.C48.o1.np	Method	AAT/NAP
Start	1	End	731
GI	5903099	Score	507
Exons	1..731		
GI Descrip.	(AC008017) Unknown protein [Arabidopsis thaliana]		

Seq. No.	35059	Seq. ID	OJ990428_08.9924.C48
Gene No.	72403	Strand	+
Start	1	End	731
Name	OJ990428_08.9924.C48.o1.tm	Method	TBLASTX:Maize
Start	2	End	675
GI	none	Score	445
Exons	2..34, 13..402, 50..175, 54..374, 235..402, 445..675, 459..674		

Seq. No.	35059	Seq. ID	OJ990428_08.9924.C48
Gene No.	72403	Strand	+
Start	1	End	731
Name	OJ990428_08.9924.C48.o1.ts	Method	TBLASTX:Soybean
Start	13	End	333
GI	none	Score	255
Exons	13..333, 150..332, 202..333		

Seq. No.	35060	Seq. ID	OJ990428_08.9924.C52
Gene No.	72404	Strand	-
Start	298	End	376
Name	OJ990428_08.9924.C52.o1.gs	Method	GENSCAN
Start	298	End	376
GI	none	Score	.84
Exons	298..376		

Seq. No.	35061	Seq. ID	OJ990428_08.9924.C53
Gene No.	72405	Strand	+
Start	1	End	522
Name	OJ990428_08.9924.C53.o1.np	Method	AAT/NAP
Start	1	End	522
GI	5903099	Score	276
Exons	1..522		
GI Descrip.	(AC008017) Unknown protein [Arabidopsis thaliana]		

Seq. No.	35061	Seq. ID	OJ990428_08.9924.C53
Gene No.	72405	Strand	+
Start	1	End	522
Name	OJ990428_08.9924.C53.o1.tm	Method	TBLASTX:Maize
Start	194	End	499
GI	none	Score	196
Exons	194..463, 194..322, 216..323, 223..363, 332..499, 374..418, 375..419, 447..488		

Seq. No.	35061	Seq. ID	OJ990428_08.9924.C53
Gene No.	72405	Strand	+
Start	1	End	522
Name	OJ990428_08.9924.C53.o1.ts	Method	TBLASTX:Soybean
Start	215	End	499
GI	none	Score	176

Exons 215..406, 223..318, 320..436, 340..375, 437..499

Seq. No.	35061	Seq. ID	OJ990428_08.9924.C53
Gene No.	72405	Strand	+
Start	1	End	522
Name	OJ990428_08.9924.C53.o1.gs	Method	GENSCAN
Start	268	End	476
GI	none	Score	.44
Exons	268..476		

Seq. No.	35062	Seq. ID	OJ990428_08.9924.C54
Gene No.	72406	Strand	+
Start	60	End	1228
Name	OJ990428_08.9924.C54.o1.gs	Method	GENSCAN
Start	60	End	1228
GI	none	Score	.8
Exons	60..1228		

Seq. No.	35062	Seq. ID	OJ990428_08.9924.C54
Gene No.	72406	Strand	+
Start	60	End	1228
Name	OJ990428_08.9924.C54.o1.tm	Method	TBLASTX:Maize
Start	118	End	370
GI	none	Score	203
Exons	118..363, 122..370		

Seq. No.	35063	Seq. ID	OJ990428_08.9924.C56
Gene No.	72407	Strand	+
Start	1	End	609
Name	OJ990428_08.9924.C56.o1.np	Method	AAT/NAP
Start	1	End	609
GI	6630556	Score	234
Exons	1..203, 556..609		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	35063	Seq. ID	OJ990428_08.9924.C56
Gene No.	72407	Strand	+
Start	1	End	609
Name	OJ990428_08.9924.C56.o1.tm	Method	TBLASTX:Maize
Start	34	End	609
GI	none	Score	139
Exons	34..201, 35..202, 36..203, 556..609		

Seq. No.	35063	Seq. ID	OJ990428_08.9924.C56
Gene No.	72407	Strand	+
Start	1	End	609
Name	OJ990428_08.9924.C56.o1.ts	Method	TBLASTX:Soybean
Start	36	End	203
GI	none	Score	153
Exons	36..152, 36..152, 38..154, 155..202, 156..203		

Seq. No.	35064	Seq. ID	OJ990428_08.9924.C58
Gene No.	72408	Strand	-
Start	52	End	227
Name	OJ990428_08.9924.C58.o1.gs	Method	GENSCAN
Start	52	End	227

GI	none	Score	.7
Exons	52..115, 205..227		
Seq. No.	35065	Seq. ID	OJ990428_08.9924.C60
Gene No.	72409	Strand	-
Start	73	End	367
Name	OJ990428_08.9924.C60.ol.tm	Method	TBLASTX:Maize
Start	56	End	367
GI	none	Score	186
Exons	56..367, 66..269, 68..292, 281..319, 313..366		

Seq. No.	35065	Seq. ID	OJ990428_08.9924.C60
Gene No.	72409	Strand	-
Start	73	End	367
Name	OJ990428_08.9924.C60.ol.tc	Method	TBLASTX:Cress
Start	66	End	271
GI	none	Score	109
Exons	66..179, 71..271, 72..242		

Seq. No.	35065	Seq. ID	OJ990428_08.9924.C60
Gene No.	72409	Strand	-
Start	73	End	367
Name	OJ990428_08.9924.C60.ol.ts	Method	TBLASTX:Soybean
Start	71	End	265
GI	none	Score	122
Exons	71..265, 72..242		

Seq. No.	35065	Seq. ID	OJ990428_08.9924.C60
Gene No.	72409	Strand	-
Start	73	End	367
Name	OJ990428_08.9924.C60.ol.gs	Method	GENSCAN
Start	73	End	346
GI	none	Score	.8
Exons	73..346		

Seq. No.	35065	Seq. ID	OJ990428_08.9924.C60
Gene No.	72409	Strand	-
Start	73	End	367
Name	OJ990428_08.9924.C60.ol.gp	Method	AAT/GAP
Start	91	End	355
GI	none	Score	452
Exons	91..355		

Seq. No.	35066	Seq. ID	OJ990428_08.9924.C61
Gene No.	72410	Strand	-
Start	1	End	498
Name	OJ990428_08.9924.C61.ol.np	Method	AAT/NAP
Start	1	End	493
GI	6630556	Score	166
Exons	1..48, 303..493		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	35066	Seq. ID	OJ990428_08.9924.C61
Gene No.	72410	Strand	-
Start	1	End	498
Name	OJ990428_08.9924.C61.ol.gs	Method	GENSCAN

Start	183	End	493
GI	none	Score	.6
Exons	183..284, 303..493		
Seq. No.	35066	Seq. ID	OJ990428_08.9924.C61
Gene No.	72410	Strand	-
Start	1	End	498
Name	OJ990428_08.9924.C61.ol.tm	Method	TBLASTX:Maize
Start	303	End	498
GI	none	Score	169
Exons	303..470, 303..470, 304..471, 304..498		
Seq. No.	35066	Seq. ID	OJ990428_08.9924.C61
Gene No.	72410	Strand	-
Start	1	End	498
Name	OJ990428_08.9924.C61.ol.ts	Method	TBLASTX:Soybean
Start	303	End	470
GI	none	Score	62
Exons	303..350, 304..351, 354..470, 354..470		
Seq. No.	35067	Seq. ID	OJ990428_08.9924.C62
Gene No.	72411	Strand	-
Start	277	End	546
Name	OJ990428_08.9924.C62.ol.gs	Method	GENSCAN
Start	277	End	546
GI	none	Score	.56
Exons	277..546		
Seq. No.	35068	Seq. ID	OJ990428_08.9924.C63
Gene No.	72412	Strand	+
Start	170	End	771
Name	OJ990428_08.9924.C63.ol.tm	Method	TBLASTX:Maize
Start	144	End	736
GI	none	Score	57
Exons	144..194, 248..277, 560..736, 577..735		
Seq. No.	35068	Seq. ID	OJ990428_08.9924.C63
Gene No.	72412	Strand	+
Start	170	End	771
Name	OJ990428_08.9924.C63.ol.gs	Method	GENSCAN
Start	170	End	763
GI	none	Score	.99
Exons	170..763		
Seq. No.	35068	Seq. ID	OJ990428_08.9924.C63
Gene No.	72412	Strand	+
Start	170	End	771
Name	OJ990428_08.9924.C63.ol.np	Method	AAT/NAP
Start	170	End	771
GI	3885338	Score	298
Exons	170..218, 248..771		
GI Descrip.	(AC005623) unknown protein [Arabidopsis thaliana]		
Seq. No.	35068	Seq. ID	OJ990428_08.9924.C63
Gene No.	72412	Strand	+
Start	170	End	771
Name	OJ990428_08.9924.C63.ol.ts	Method	TBLASTX:Soybean

Start	293	End	766
GI	none	Score	101
Exons	293..358, 479..574, 616..762, 617..766		

Seq. No.	35069	Seq. ID	OJ990428_08.9924.C65
Gene No.	72413	Strand	+
Start	216	End	470
Name	OJ990428_08.9924.C65.o1.gs	Method	GENSCAN
Start	216	End	470
GI	none	Score	.97
Exons	216..263, 441..470		

Seq. No.	35070	Seq. ID	OJ990428_08.9924.C66
Gene No.	72414	Strand	+
Start	258	End	473
Name	OJ990428_08.9924.C66.o1.gs	Method	GENSCAN
Start	258	End	473
GI	none	Score	.63
Exons	258..473		

Seq. No.	35071	Seq. ID	OJ990428_08.9924.C67
Gene No.	72415	Strand	-
Start	21	End	343
Name	OJ990428_08.9924.C67.o1.gs	Method	GENSCAN
Start	21	End	343
GI	none	Score	.62
Exons	21..343		

Seq. No.	35072	Seq. ID	OJ990408_04.9922.C2
Gene No.	72416	Strand	+
Start	365	End	560
Name	OJ990408_04.9922.C2.o1.gs	Method	GENSCAN
Start	365	End	560
GI	none	Score	.94
Exons	365..560		

Seq. No.	35073	Seq. ID	OJ990408_04.9922.C9
Gene No.	72417	Strand	
Start	1	End	370
Name	OJ990408_04.9922.C9.o1.tw	Method	TBLASTX:Wheat
Start	1	End	286
GI	none	Score	191
Exons	1..96, 2..286		

Seq. No.	35073	Seq. ID	OJ990408_04.9922.C9
Gene No.	72417	Strand	
Start	1	End	370
Name	OJ990408_04.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	172	End	370
GI	none	Score	180
Exons	172..285, 173..370, 173..367		

Seq. No.	35074	Seq. ID	OJ990408_04.9922.C10
Gene No.	72418	Strand	+
Start	581	End	1284
Name	OJ990408_04.9922.C10.o1.gs	Method	GENSCAN
Start	581	End	1284

GI	none	Score	.73
Exons	581..765, 1021..1284		
Seq. No.	35074	Seq. ID	OJ990408_04.9922.C10
Gene No.	72419	Strand	+
Start	1446	End	10268
Name	OJ990408_04.9922.C10.o1.np	Method	AAT/NAP
Start	1446	End	2502
GI	6721543	Score	167
Exons	1446..1574, 2386..2502		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	35074	Seq. ID	OJ990408_04.9922.C10
Gene No.	72419	Strand	+
Start	1446	End	10268
Name	OJ990408_04.9922.C10.o1.gp	Method	AAT/GAP
Start	1460	End	1625
GI	7406_1.R1084	Score	229
Exons	1460..1625		
GI Descrip.	'1122315/emb CAA63901 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	35074	Seq. ID	OJ990408_04.9922.C10
Gene No.	72419	Strand	+
Start	1446	End	10268
Name	OJ990408_04.9922.C10.o2.gs	Method	GENSCAN
Start	2062	End	8292
GI	none	Score	.6
Exons	2062..3337, 3455..4046, 4395..4690, 5130..5280, 5386..5632, 5688..5726, 5811..6221, 6313..6611, 6688..6943, 7036..7161, 7188..7285, 7532..7663, 7727..7774, 7779..7981, 8132..8292		

Seq. No.	35074	Seq. ID	OJ990408_04.9922.C10
Gene No.	72419	Strand	+
Start	1446	End	10268
Name	OJ990408_04.9922.C10.o2.np	Method	AAT/NAP
Start	2515	End	8013
GI	5441880	Score	4705
Exons	2515..3520, 3965..3996, 4255..4570, 5130..5280, 5386..5726, 6313..6611, 6688..6943, 7188..7285, 7532..7663, 7779..8013		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	35074	Seq. ID	OJ990408_04.9922.C10
Gene No.	72419	Strand	+
Start	1446	End	10268
Name	OJ990408_04.9922.C10.o2.gp	Method	AAT/GAP
Start	3119	End	3550
GI	5701669	Score	837
Exons	3119..3550		
GI Descrip.	5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	35074	Seq. ID	OJ990408_04.9922.C10
Gene No.	72419	Strand	+

Start	1446	End	10268
Name	OJ990408_04.9922.C10.o3.gp	Method	AAT/GAP
Start	6439	End	6935
GI	LIB3475-007-P1-K1-G8	Score	774
Exons	6439..6611, 6688..6935		
GI Descrip.	'5441880/dbj BAA82378.1 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	35074	Seq. ID	OJ990408_04.9922.C10
Gene No.	72419	Strand	+
Start	1446	End	10268
Name	OJ990408_04.9922.C10.o4.gp	Method	AAT/GAP
Start	8117	End	9932
GI	LIB3431-045-P1-N1-A10	Score	813
Exons	8117..8460, 9823..9932		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	35074	Seq. ID	OJ990408_04.9922.C10
Gene No.	72419	Strand	+
Start	1446	End	10268
Name	OJ990408_04.9922.C10.o3.gs	Method	GENSCAN
Start	8519	End	10268
GI	none	Score	.65
Exons	8519..8521, 8704..8862, 8929..9006, 9177..9377, 10146..10268		

Seq. No.	35074	Seq. ID	OJ990408_04.9922.C10
Gene No.	72420	Strand	+
Start	14625	End	15299
Name	OJ990408_04.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	3076	End	3537
GI	none	Score	93
Exons	3076..3204, 3084..3182, 3238..3537, 3255..3476		

Seq. No.	35074	Seq. ID	OJ990408_04.9922.C10
Gene No.	72420	Strand	+
Start	14625	End	15299
Name	OJ990408_04.9922.C10.o2.tw	Method	TBLASTX:Wheat
Start	3370	End	3750
GI	none	Score	186
Exons	3370..3564, 3379..3576, 3570..3689, 3574..3750, 3574..3720		

Seq. No.	35074	Seq. ID	OJ990408_04.9922.C10
Gene No.	72420	Strand	+
Start	14625	End	15299
Name	OJ990408_04.9922.C10.o3.tw	Method	TBLASTX:Wheat
Start	5444	End	5635
GI	none	Score	84
Exons	5444..5497, 5506..5625, 5507..5635		

Seq. No.	35074	Seq. ID	OJ990408_04.9922.C10
Gene No.	72420	Strand	+
Start	14625	End	15299
Name	OJ990408_04.9922.C10.o3.np	Method	AAT/NAP
Start	14625	End	15299
GI	6742729	Score	453

Exons 14625..15299
GI Descrip. (AF121139) RIM2 protein [Oryza sativa]

Seq. No. 35074 Seq. ID OJ990408_04.9922.C10
Gene No. 72420 Strand +
Start 14625 End 15299
Name OJ990408_04.9922.C10.o2.tm Method TBLASTX:Maize
Start 14715 End 15064
GI none Score 48
Exons 14715..14768, 14780..14992, 14781..14987, 14978..15064

Seq. No. 35074 Seq. ID OJ990408_04.9922.C10
Gene No. 72420 Strand +
Start 14625 End 15299
Name OJ990408_04.9922.C10.o1.tw Method TBLASTX:Wheat
Start 14739 End 15253
GI none Score 206
Exons 14739..14987, 14759..14992, 14989..15246, 14990..15253

Seq. No. 35074 Seq. ID OJ990408_04.9922.C10
Gene No. 72420 Strand +
Start 14625 End 15299
Name OJ990408_04.9922.C10.o1.tc Method TBLASTX:Cress
Start 14995 End 15253
GI none Score 198
Exons 14995..15231, 14999..15253

Seq. No. 35075 Seq. ID OJ990408_04.9922.C11
Gene No. 72421 Strand +
Start 1 End 3141
Name OJ990408_04.9922.C11.o3.np Method AAT/NAP
Start 1 End 2142
GI 4680203 Score 321
Exons 1..26, 1423..2142
GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No. 35075 Seq. ID OJ990408_04.9922.C11
Gene No. 72421 Strand +
Start 1 End 3141
Name OJ990408_04.9922.C11.o1.gs Method GENSCAN
Start 695 End 3141
GI none Score .57
Exons 695..718, 1378..1574, 1800..2031, 2899..3141

Seq. No. 35075 Seq. ID OJ990408_04.9922.C11
Gene No. 72422 Strand -
Start 1 End 3265
Name OJ990408_04.9922.C11.o2.np Method AAT/NAP
Start 1 End 3265
GI 100484 Score 653
Exons 1..38, 521..1432, 3237..3265
GI Descrip. hypothetical protein - garden snapdragon

Seq. No. 35075 Seq. ID OJ990408_04.9922.C11
Gene No. 72422 Strand -
Start 1 End 3265
Name OJ990408_04.9922.C11.o3.tw Method TBLASTX:Wheat

Start	9	End	416
GI	none	Score	75
Exons	9..227, 10..201, 291..416		
Seq. No.	35075	Seq. ID	OJ990408_04.9922.C11
Gene No.	72422	Strand	-
Start	1	End	3265
Name	OJ990408_04.9922.C11.o1.ts	Method	TBLASTX:Soybean
Start	16	End	292
GI	none	Score	112
Exons	16..234, 18..230, 140..238, 147..239, 223..291, 239..292		
Seq. No.	35075	Seq. ID	OJ990408_04.9922.C11
Gene No.	72422	Strand	-
Start	1	End	3265
Name	OJ990408_04.9922.C11.o2.tm	Method	TBLASTX:Maize
Start	570	End	758
GI	none	Score	88
Exons	570..758, 581..757		
Seq. No.	35075	Seq. ID	OJ990408_04.9922.C11
Gene No.	72422	Strand	-
Start	1	End	3265
Name	OJ990408_04.9922.C11.o1.np	Method	AAT/NAP
Start	704	End	1435
GI	4680203	Score	634
Exons	704..1435		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	35075	Seq. ID	OJ990408_04.9922.C11
Gene No.	72422	Strand	-
Start	1	End	3265
Name	OJ990408_04.9922.C11.o3.ts	Method	TBLASTX:Soybean
Start	879	End	1104
GI	none	Score	57
Exons	879..1079, 900..1103, 949..1104		
Seq. No.	35075	Seq. ID	OJ990408_04.9922.C11
Gene No.	72422	Strand	-
Start	1	End	3265
Name	OJ990408_04.9922.C11.o1.tm	Method	TBLASTX:Maize
Start	939	End	1382
GI	none	Score	98
Exons	939..1133, 940..1158, 971..1135, 1143..1325, 1148..1381, 1161..1382		
Seq. No.	35075	Seq. ID	OJ990408_04.9922.C11
Gene No.	72422	Strand	-
Start	1	End	3265
Name	OJ990408_04.9922.C11.o1.tw	Method	TBLASTX:Wheat
Start	973	End	1430
GI	none	Score	69
Exons	973..1080, 977..1132, 978..1133, 1160..1273, 1176..1271, 1280..1384, 1287..1394, 1374..1430, 1382..1429		
Seq. No.	35075	Seq. ID	OJ990408_04.9922.C11
Gene No.	72422	Strand	-

Start	1	End	3265
Name	OJ990408_04.9922.C11.o1.tc	Method	TBLASTX:Cress
Start	1226	End	1432
GI	none	Score	99
Exons	1226..1432, 1227..1379		

Seq. No.	35075	Seq. ID	OJ990408_04.9922.C11
Gene No.	72422	Strand	-
Start	1	End	3265
Name	OJ990408_04.9922.C11.o2.tw	Method	TBLASTX:Wheat
Start	1432	End	2064
GI	none	Score	48
Exons	1432..1527, 1559..1690, 1560..1700, 1566..1715, 1567..1731, 1711..1767, 1711..1767, 1768..1821, 1773..1820, 1839..1931, 1840..1944, 1945..2064		

Seq. No.	35075	Seq. ID	OJ990408_04.9922.C11
Gene No.	72422	Strand	-
Start	1	End	3265
Name	OJ990408_04.9922.C11.o2.ts	Method	TBLASTX:Soybean
Start	1753	End	2001
GI	none	Score	217
Exons	1753..2001, 1755..1934		

Seq. No.	35076	Seq. ID	OJ990408_04.9922.C12
Gene No.	72423	Strand	+
Start	1	End	1971
Name	OJ990408_04.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	1971
GI	5295955	Score	545
Exons	1..188, 1464..1971		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	35076	Seq. ID	OJ990408_04.9922.C12
Gene No.	72424	Strand	-
Start	2244	End	2634
Name	OJ990408_04.9922.C12.o2.gs	Method	GENSCAN
Start	2244	End	2516
GI	none	Score	.92
Exons	2244..2516		

Seq. No.	35076	Seq. ID	OJ990408_04.9922.C12
Gene No.	72424	Strand	-
Start	2244	End	2634
Name	OJ990408_04.9922.C12.o2.np	Method	AAT/NAP
Start	2247	End	2634
GI	4680179	Score	509
Exons	2247..2634		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35076	Seq. ID	OJ990408_04.9922.C12
Gene No.	72424	Strand	-
Start	2244	End	2634
Name	OJ990408_04.9922.C12.o1.tw	Method	TBLASTX:Wheat
Start	2298	End	2616
GI	none	Score	105

Exons 2298..2549, 2527..2616

Seq. No.	35076	Seq. ID	OJ990408_04.9922.C12
Gene No.	72424	Strand	-
Start	2244	End	2634
Name	OJ990408_04.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	2358	End	2616
GI	none	Score	87
Exons	2358..2534, 2392..2499, 2527..2616, 2543..2608		

Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o1.gs	Method	GENSCAN
Start	183	End	4725
GI	none	Score	.59
Exons	183..1826, 1889..3924, 3930..4725		

Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o1.np	Method	AAT/NAP
Start	186	End	4728
GI	4680179	Score	6470
Exons	186..4728		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o6.tw	Method	TBLASTX:Wheat
Start	237	End	534
GI	none	Score	38
Exons	237..533, 238..282, 397..534		

Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	393	End	980
GI	none	Score	131
Exons	393..662, 394..654, 723..821, 724..819, 753..821, 819..980, 826..972, 828..974		

Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o1.tw	Method	TBLASTX:Wheat
Start	534	End	1160
GI	none	Score	348
Exons	534..1160, 535..1104		

Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o3.tm	Method	TBLASTX:Maize
Start	1029	End	1321

GI	none	Score	161
Exons	1029..1319, 1033..1218, 1038..1250, 1133..1321		
Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o2.ts	Method	TBLASTX:Soybean
Start	1119	End	1379
GI	none	Score	299
Exons	1119..1379		
Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o3.tw	Method	TBLASTX:Wheat
Start	1167	End	1646
GI	none	Score	206
Exons	1167..1646, 1168..1551, 1173..1628		
Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o2.tw	Method	TBLASTX:Wheat
Start	1650	End	2158
GI	none	Score	114
Exons	1650..1874, 1740..1856, 1741..1863, 1868..2158, 1902..2126		
Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o2.tm	Method	TBLASTX:Maize
Start	1734	End	2086
GI	none	Score	39
Exons	1734..1874, 1796..1852, 1819..1863, 1868..2044, 1868..2086, 1869..2084		
Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o3.ts	Method	TBLASTX:Soybean
Start	1907	End	2149
GI	none	Score	197
Exons	1907..2149		
Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o4.tm	Method	TBLASTX:Maize
Start	2123	End	2623
GI	none	Score	153
Exons	2123..2458, 2444..2623		
Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o5.tw	Method	TBLASTX:Wheat
Start	2165	End	2461

GI	none	Score	193
Exons	2165..2461, 2169..2423		
Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o1.ts	Method	TBLASTX:Soybean
Start	2174	End	2569
GI	none	Score	120
Exons	2174..2533, 2175..2417, 2392..2526, 2456..2530, 2537..2569, 2537..2569		

Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o4.tw	Method	TBLASTX:Wheat
Start	2510	End	2996
GI	none	Score	298
Exons	2510..2992, 2553..2996		

Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o5.tm	Method	TBLASTX:Maize
Start	2691	End	2983
GI	none	Score	149
Exons	2691..2882, 2693..2983, 2910..2981		

Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o8.tw	Method	TBLASTX:Wheat
Start	3167	End	3521
GI	none	Score	79
Exons	3167..3520, 3203..3337, 3426..3521		

Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o6.tm	Method	TBLASTX:Maize
Start	3254	End	3574
GI	none	Score	209
Exons	3254..3574		

Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o7.tm	Method	TBLASTX:Maize
Start	3919	End	4215
GI	none	Score	95
Exons	3919..4215, 4028..4198		

Seq. No.	35077	Seq. ID	OJ990408_04.9922.C13
Gene No.	72425	Strand	-
Start	183	End	4728
Name	OJ990408_04.9922.C13.o7.tw	Method	TBLASTX:Wheat
Start	4096	End	4459

GI	none	Score	86
Exons	4096..4455, 4097..4330, 4355..4459		
Seq. No.	35078	Seq. ID	OJ990408_04.9922.C14
Gene No.	72426	Strand	+
Start	1	End	4277
Name	OJ990408_04.9922.C14.o1.np	Method	AAT/NAP
Start	1	End	682
GI	5295955	Score	605
Exons	1..682		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome. (V01555) [Oryza sativa]		

Seq. No.	35078	Seq. ID	OJ990408_04.9922.C14
Gene No.	72426	Strand	+
Start	1	End	4277
Name	OJ990408_04.9922.C14.o1.gs	Method	GENSCAN
Start	22	End	4277
GI	none	Score	.6
Exons	22..158, 1642..1737, 1742..1850, 2180..2677, 2754..3086, 3264..3570, 3620..4109, 4187..4277		

Seq. No.	35078	Seq. ID	OJ990408_04.9922.C14
Gene No.	72427	Strand	+
Start	6737	End	7330
Name	OJ990408_04.9922.C14.o1.gp	Method	AAT/GAP
Start	6737	End	7330
GI	37804_1.R1084	Score	1165
Exons	6737..7330		
GI Descrip.	'3172047/dbj AB012915 AB012915 1.0e-26 Oryza sativa gene for starch debranching enzyme, complete cds'		

Seq. No.	35078	Seq. ID	OJ990408_04.9922.C14
Gene No.	72428	Strand	+
Start	8185	End	8446
Name	OJ990408_04.9922.C14.o3.gs	Method	GENSCAN
Start	8185	End	8446
GI	none	Score	.88
Exons	8185..8306, 8377..8446		

Seq. No.	35078	Seq. ID	OJ990408_04.9922.C14
Gene No.	72429	Strand	+
Start	9884	End	22142
Name	OJ990408_04.9922.C14.o5.gs	Method	GENSCAN
Start	9884	End	22142
GI	none	Score	.76
Exons	9884..9890, 11952..12173, 12361..12391, 12910..13001, 16187..16591, 16743..16873, 19816..19941, 20062..20148, 20248..21183, 21612..21704, 21789..22142		

Seq. No.	35078	Seq. ID	OJ990408_04.9922.C14
Gene No.	72429	Strand	+
Start	9884	End	22142
Name	OJ990408_04.9922.C14.o2.np	Method	AAT/NAP
Start	16264	End	21299
GI	4585991	Score	282
Exons	16264..16470, 16568..16634, 21255..21299		

GI Descrip. (AC005287) very similar to mouse Dhml and Dhml2 [Arabidopsis thaliana]

Seq. No.	35078	Seq. ID	OJ990408_04.9922.C14
Gene No.	72429	Strand	+
Start	9884	End	22142
Name	OJ990408_04.9922.C14.o3.np	Method	AAT/NAP
Start	16766	End	17174
GI	695411	Score	246
Exons	16766..16873, 17057..17174		
GI Descrip.	(D49475) glutamate dehydrogenase [Zea mays]		

Seq. No.	35078	Seq. ID	OJ990408_04.9922.C14
Gene No.	72429	Strand	+
Start	9884	End	22142
Name	OJ990408_04.9922.C14.o4.gp	Method	AAT/GAP
Start	17137	End	18468
GI	none	Score	1000
Exons	17137..17172, 17529..17576, 18013..18468		

Seq. No.	35078	Seq. ID	OJ990408_04.9922.C14
Gene No.	72429	Strand	+
Start	9884	End	22142
Name	OJ990408_04.9922.C14.o5.gp	Method	AAT/GAP
Start	18519	End	19061
GI	none	Score	1004
Exons	18519..19061		

Seq. No.	35078	Seq. ID	OJ990408_04.9922.C14
Gene No.	72429	Strand	+
Start	9884	End	22142
Name	OJ990408_04.9922.C14.o4.np	Method	AAT/NAP
Start	19143	End	21427
GI	4559351	Score	279
Exons	19143..19192, 20316..20556, 20599..20967, 21116..21427		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35078	Seq. ID	OJ990408_04.9922.C14
Gene No.	72430	Strand	-
Start	5534	End	7244
Name	OJ990408_04.9922.C14.o2.gs	Method	GENSCAN
Start	5534	End	7244
GI	none	Score	.58
Exons	5534..5601, 5880..6031, 7063..7244		

Seq. No.	35078	Seq. ID	OJ990408_04.9922.C14
Gene No.	72431	Strand	-
Start	8991	End	9492
Name	OJ990408_04.9922.C14.o4.gs	Method	GENSCAN
Start	8991	End	9492
GI	none	Score	.8
Exons	8991..9097, 9297..9492		

Seq. No.	35078	Seq. ID	OJ990408_04.9922.C14
Gene No.	72432	Strand	-
Start	9775	End	9855
Name	OJ990408_04.9922.C14.o2.gp	Method	AAT/GAP

Start	9775	End	9855
GI	LIB3477-003-P1-K1-E9	Score	131
Exons	9775..9855		
GI Descrip.	'2498586/sp Q40638 MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	35078	Seq. ID	OJ990408_04.9922.C14
Gene No.	72433	Strand	-
Start	22424	End	24226
Name	OJ990408_04.9922.C14.o1.ts	Method	TBLASTX:Soybean
Start	16255	End	16618
GI	none	Score	107
Exons	16255..16341, 16263..16307, 16372..16467, 16386..16466, 16555..16617, 16571..16618		

Seq. No.	35078	Seq. ID	OJ990408_04.9922.C14
Gene No.	72433	Strand	-
Start	22424	End	24226
Name	OJ990408_04.9922.C14.o1.tc	Method	TBLASTX:Cress
Start	16263	End	16606
GI	none	Score	296
Exons	16263..16307, 16264..16467, 16386..16469, 16555..16605, 16565..16606		

Seq. No.	35078	Seq. ID	OJ990408_04.9922.C14
Gene No.	72433	Strand	-
Start	22424	End	24226
Name	OJ990408_04.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	16333	End	16455
GI	none	Score	216
Exons	16333..16455, 16377..16454		

Seq. No.	35078	Seq. ID	OJ990408_04.9922.C14
Gene No.	72433	Strand	-
Start	22424	End	24226
Name	OJ990408_04.9922.C14.o6.gs	Method	GENSCAN
Start	22424	End	24226
GI	none	Score	.65
Exons	22424..22559, 22673..23135, 23191..23610, 23874..23979, 24010..24226		

Seq. No.	35079	Seq. ID	OJ990408_04.9922.C15
Gene No.	72434	Strand	+
Start	1	End	10152
Name	OJ990408_04.9922.C15.o1.np	Method	AAT/NAP
Start	1	End	10152
GI	4680183	Score	188
Exons	1..79, 9363..9450, 10061..10152		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	35079	Seq. ID	OJ990408_04.9922.C15
Gene No.	72435	Strand	+
Start	10846	End	11274
Name	OJ990408_04.9922.C15.o2.np	Method	AAT/NAP
Start	10846	End	11274
GI	6721560	Score	187

Exons 10846..11274
 GI Descrip. (AP001073) hypothetical protein [Oryza sativa]
 gi|6815085|dbj|BAA90371.1| (AP001081) hypothetical protein
 [Oryza sativa]

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72436	Strand	+
Start	656	End	859
Name	OJ990408_04.9922.C16.o1.gs	Method	GENSCAN
Start	656	End	859
GI	none	Score	.7
Exons	656..661, 722..859		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72437	Strand	+
Start	8682	End	15195
Name	OJ990408_04.9922.C16.o3.gs	Method	GENSCAN
Start	8682	End	15195
GI	none	Score	.42
Exons	8682..8735, 8886..9111, 13669..13701, 13983..14091, 15132..15195		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72438	Strand	+
Start	23559	End	25588
Name	OJ990408_04.9922.C16.o5.gs	Method	GENSCAN
Start	23559	End	24090
GI	none	Score	.63
Exons	23559..23763, 23855..24090		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72438	Strand	+
Start	23559	End	25588
Name	OJ990408_04.9922.C16.o7.np	Method	AAT/NAP
Start	23877	End	25588
GI	5042463	Score	189
Exons	23877..24116, 24774..24905, 24958..25039, 25306..25588		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72439	Strand	+
Start	30747	End	31100
Name	OJ990408_04.9922.C16.o7.gs	Method	GENSCAN
Start	30747	End	31100
GI	none	Score	.7
Exons	30747..31100		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72440	Strand	+
Start	32897	End	40573
Name	OJ990408_04.9922.C16.o8.np	Method	AAT/NAP
Start	32897	End	36979
GI	6815052	Score	1941
Exons	32897..33050, 33132..33206, 33488..33605, 33907..34006, 34849..34941, 35508..35643, 35692..36424, 36506..36580, 36861..36979		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72440	Strand	+
Start	32897	End	40573
Name	OJ990408_04.9922.C16.o9.np	Method	AAT/NAP
Start	35785	End	40573
GI	2462935	Score	895
Exons	35785..35837, 37175..39479, 39899..40573		
GI Descrip.	(Y12321) open reading frame 1 [Brassica oleracea]		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72441	Strand	-
Start	1596	End	8982
Name	OJ990408_04.9922.C16.o2.gs	Method	GENSCAN
Start	1596	End	7031
GI	none	Score	.76
Exons	1596..2326, 2415..2562, 3837..4355, 5230..5335, 5670..5746, 5825..5917, 6033..6095, 6456..6553, 6995..7031		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72441	Strand	-
Start	1596	End	8982
Name	OJ990408_04.9922.C16.o1.np	Method	AAT/NAP
Start	1626	End	2365
GI	6907104	Score	133
Exons	1626..1824, 1897..2083, 2153..2365		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72441	Strand	-
Start	1596	End	8982
Name	OJ990408_04.9922.C16.o1.gp	Method	AAT/GAP
Start	5353	End	8982
GI	1907_1.R1084	Score	2171
Exons	5353..5746, 5825..5917, 6033..6095, 6456..6553, 6634..6699, 6791..6891, 6995..7067, 8705..8982		
GI Descrip.	'1706551/sp P52409 E13B WHEAT 4.0e-15 GLUCAN ENDO-1,3-BETA-GLUCOSIDASE PRECURSOR ((1->3)-BETA-GLUCAN ENDOHYDROLASE) ((1->3)-BETA-GLUCANASE) (BETA-1,3-ENDOGLUCANASE) >gi_924953 (U30323) beta 1,3-glucanase [Triticum aestivum]'		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72441	Strand	-
Start	1596	End	8982
Name	OJ990408_04.9922.C16.o2.np	Method	AAT/NAP
Start	5669	End	8777
GI	1370194	Score	775
Exons	5669..5746, 5825..5917, 6033..6095, 6456..6553, 6634..6699, 6791..6891, 6995..7067, 8705..8777		
GI Descrip.	(Z73946) RAB8C [Lotus japonicus]		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72442	Strand	-
Start	10517	End	11987
Name	OJ990408_04.9922.C16.o3.np	Method	AAT/NAP
Start	10517	End	11987
GI	4263782	Score	105
Exons	10517..10539, 11846..11987		

GI Descrip. (AC006068) hypothetical protein [Arabidopsis thaliana]

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72443	Strand	-
Start	17343	End	21554
Name	OJ990408_04.9922.C16.o4.np	Method	AAT/NAP
Start	16550	End	18933
GI	2446996	Score	262
Exons	16550..16625, 16717..16892, 16991..17045, 18841..18933		
GI Descrip.	(D63953) fatty acid desaturase [Zea mays] gi 2447000 dbj BAA22442 (D84409) fatty acid desaturase [Zea mays]		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72443	Strand	-
Start	17343	End	21554
Name	OJ990408_04.9922.C16.o4.gs	Method	GENSCAN
Start	17343	End	21554
GI	none	Score	.64
Exons	17343..17686, 17912..19635, 19679..20163, 21178..21297, 21429..21554		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72443	Strand	-
Start	17343	End	21554
Name	OJ990408_04.9922.C16.o5.np	Method	AAT/NAP
Start	17391	End	17615
GI	6714413	Score	90
Exons	17391..17615		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72443	Strand	-
Start	17343	End	21554
Name	OJ990408_04.9922.C16.o6.np	Method	AAT/NAP
Start	17835	End	21521
GI	4263522	Score	1171
Exons	17835..19610, 19641..19843, 21499..21521		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o3.tm	Method	TBLASTX:Maize
Start	5661	End	7072
GI	none	Score	52
Exons	5661..5747, 5666..5749, 5819..5917, 5823..5927, 5825..5917, 5832..5918, 6029..6091, 6033..6092, 6033..6098, 6034..6096, 6443..6547, 6455..6547, 6456..6554, 6457..6582, 6630..6689, 6632..6700, 6650..6697, 6792..6890, 6792..6890, 6980..7072, 6998..7069		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o5.tw	Method	TBLASTX:Wheat
Start	5666	End	6098

GI	none	Score	38
Exons	5666..5692, 5667..5690, 5678..5749, 5709..5747, 5817..5927, 5825..5917, 6033..6098, 6034..6096		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o6.ts	Method	TBLASTX:Soybean
Start	5672	End	6166
GI	none	Score	47
Exons	5672..5740, 5673..5741, 5817..5915, 5822..5917, 5825..5917, 5826..5927, 6033..6098, 6034..6096, 6035..6166		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o2.tc	Method	TBLASTX:Cress
Start	5673	End	7073
GI	none	Score	46
Exons	5673..5741, 5825..5917, 5826..5927, 6033..6098, 6034..6096, 6446..6544, 6452..6520, 6456..6554, 6457..6582, 6630..6707, 6632..6700, 6789..6890, 6792..6890, 6980..7072, 6996..7073, 6998..7069		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o2.ts	Method	TBLASTX:Soybean
Start	6453	End	7072
GI	none	Score	105
Exons	6453..6563, 6453..6554, 6454..6582, 6454..6564, 6630..6707, 6632..6700, 6789..6899, 6792..6890, 6980..7072, 6995..7069		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o4.tw	Method	TBLASTX:Wheat
Start	6453	End	7104
GI	none	Score	45
Exons	6453..6554, 6454..6519, 6632..6703, 6633..6689, 6792..6890, 6798..6890, 7030..7104		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o8.tm	Method	TBLASTX:Maize
Start	11847	End	11999
GI	none	Score	160
Exons	11847..11996, 11848..11997, 11851..11997, 11853..11999		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o6.tc	Method	TBLASTX:Cress
Start	16550	End	17035
GI	none	Score	68
Exons	16550..16573, 16572..16622, 16573..16623, 16717..16776,		

16804..16878, 16991..17035

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o8.ts	Method	TBLASTX:Soybean
Start	16550	End	17038
GI	none	Score	86
Exons	16550..16573, 16572..16637, 16573..16623, 16717..16770, 16804..16878, 16991..17038		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o7.tm	Method	TBLASTX:Maize
Start	16550	End	17038
GI	none	Score	75
Exons	16550..16573, 16572..16622, 16573..16638, 16708..16788, 16717..16776, 16775..16807, 16776..16805, 16804..16878, 16805..16945, 16872..16892, 16991..17038		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o10.tm	Method	TBLASTX:Maize
Start	17441	End	17609
GI	none	Score	136
Exons	17441..17587, 17442..17588, 17442..17609, 17443..17589		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o4.tm	Method	TBLASTX:Maize
Start	17820	End	18086
GI	none	Score	141
Exons	17820..18086, 17833..18039		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o4.ts	Method	TBLASTX:Soybean
Start	17829	End	18053
GI	none	Score	121
Exons	17829..18008, 17830..18042, 17832..18053		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o1.tc	Method	TBLASTX:Cress
Start	17832	End	18377
GI	none	Score	123
Exons	17832..18092, 17832..18365, 18183..18377		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o1.ts	Method	TBLASTX:Soybean

Start	18057	End	18581
GI	none	Score	92
Exons	18057..18581, 18157..18348, 18418..18561		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o1.tm	Method	TBLASTX:Maize
Start	18087	End	20014
GI	none	Score	165
Exons	18087..18947, 18484..18714, 18642..18836, 18675..19049, 18885..19052, 18930..19052, 18975..19052, 19086..19268, 19086..19211, 19248..19418, 19386..19688, 19386..19760, 19392..19703, 19420..19668, 19669..19809, 19677..19805, 19922..20014		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o1.tw	Method	TBLASTX:Wheat
Start	18526	End	19676
GI	none	Score	121
Exons	18526..18714, 18531..19001, 18588..18707, 18742..18834, 18883..18948, 18888..19058, 19086..19313, 19392..19676		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o3.tc	Method	TBLASTX:Cress
Start	18549	End	19827
GI	none	Score	76
Exons	18549..18656, 18553..18690, 18591..18800, 18666..19052, 18675..18956, 18678..18707, 18975..19082, 18978..19049, 19086..19163, 19086..19211, 19087..19212, 19194..19796, 19386..19676, 19450..19677, 19575..19808, 19603..19827		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o7.ts	Method	TBLASTX:Soybean
Start	18618	End	19562
GI	none	Score	104
Exons	18618..18887, 19278..19397, 19440..19562		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72444	Strand	-
Start	24770	End	25940
Name	OJ990408_04.9922.C16.o6.gs	Method	GENSCAN
Start	24770	End	25940
GI	none	Score	.62
Exons	24770..24900, 25006..25149, 25452..25492, 25548..25655, 25813..25940		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72445	Strand	-
Start	35147	End	35453
Name	OJ990408_04.9922.C16.o2.tw	Method	TBLASTX:Wheat

Start 35147
GI none
Exons 35147..35437, 35148..35453

End 35453
Score 307

Seq. No. 35080
Gene No. 72446
Start 38146
Name OJ990408_04.9922.C16.o9.tm
Start 38146
GI none
Exons 38146..38190, 38170..38202, 38201..38311, 38202..38327, 38217..38327, 38316..38360, 38324..38374, 38330..38374

Seq. ID OJ990408_04.9922.C16
Strand
End 38374
Method TBLASTX:Maize
End 38374
Score 73

Seq. No. 35080
Gene No. 72447
Start 38476
Name OJ990408_04.9922.C16.o2.tm
Start 38476
GI none
Exons 38476..38844, 38484..38810, 38486..38845, 38621..38845, 38849..38929, 38849..38929

Seq. ID OJ990408_04.9922.C16
Strand
End 39460
Method TBLASTX:Maize
End 38929
Score 189

Seq. No. 35080
Gene No. 72447
Start 38476
Name OJ990408_04.9922.C16.o3.ts
Start 38720
GI none
Exons 38720..38749, 38780..38866, 38876..39181, 38914..39180

Seq. ID OJ990408_04.9922.C16
Strand
End 39460
Method TBLASTX:Soybean
End 39181
Score 43

Seq. No. 35080
Gene No. 72447
Start 38476
Name OJ990408_04.9922.C16.o3.tw
Start 38789
GI none
Exons 38789..39223, 39239..39328, 39323..39445

Seq. ID OJ990408_04.9922.C16
Strand
End 39460
Method TBLASTX:Wheat
End 39445
Score 265

Seq. No. 35080
Gene No. 72447
Start 38476
Name OJ990408_04.9922.C16.o6.tm
Start 38936
GI none
Exons 38936..39460, 38959..39189

Seq. ID OJ990408_04.9922.C16
Strand
End 39460
Method TBLASTX:Maize
End 39460
Score 278

Seq. No. 35080
Gene No. 72447
Start 38476
Name OJ990408_04.9922.C16.o4.tc
Start 39017
GI none
Exons 39017..39460, 39019..39159

Seq. ID OJ990408_04.9922.C16
Strand
End 39460
Method TBLASTX:Cress
End 39460
Score 270

Seq. No. 35080
Gene No. 72448
Start 40167

Seq. ID OJ990408_04.9922.C16
Strand
End 40530

Name	OJ990408_04.9922.C16.o5.ts	Method	TBLASTX:Soybean
Start	40167	End	40530
GI	5509260	Score	256
Exons	40167..40424, 40168..40530, 40189..40425		
GI Descrip.	-		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72448	Strand	
Start	40167	End	40530
Name	OJ990408_04.9922.C16.o5.tm	Method	TBLASTX:Maize
Start	40191	End	40512
GI	none	Score	300
Exons	40191..40511, 40192..40512		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72448	Strand	
Start	40167	End	40530
Name	OJ990408_04.9922.C16.o6.tw	Method	TBLASTX:Wheat
Start	40200	End	40500
GI	none	Score	120
Exons	40200..40319, 40201..40323, 40344..40427, 40345..40500		

Seq. No.	35080	Seq. ID	OJ990408_04.9922.C16
Gene No.	72448	Strand	
Start	40167	End	40530
Name	OJ990408_04.9922.C16.o5.tc	Method	TBLASTX:Cress
Start	40275	End	40530
GI	none	Score	263
Exons	40275..40529, 40276..40530		

Seq. No.	35081	Seq. ID	OJ990408_04.9922.C17
Gene No.	72449	Strand	+
Start	1	End	1829
Name	OJ990408_04.9922.C17.o1.np	Method	AAT/NAP
Start	1	End	607
GI	2462936	Score	469
Exons	1..607		
GI Descrip.	(Y12321) open reading frame 2 [Brassica oleracea]		

Seq. No.	35081	Seq. ID	OJ990408_04.9922.C17
Gene No.	72449	Strand	+
Start	1	End	1829
Name	OJ990408_04.9922.C17.o1.gs	Method	GENSCAN
Start	287	End	1829
GI	none	Score	.41
Exons	287..481, 1198..1372, 1417..1517, 1746..1829		

Seq. No.	35081	Seq. ID	OJ990408_04.9922.C17
Gene No.	72450	Strand	+
Start	7086	End	10391
Name	OJ990408_04.9922.C17.o2.ts	Method	TBLASTX:Soybean
Start	1	End	622
GI	none	Score	552
Exons	1..468, 2..622, 137..469, 533..622		

Seq. No.	35081	Seq. ID	OJ990408_04.9922.C17
Gene No.	72450	Strand	+

Start	7086	End	10391
Name	OJ990408_04.9922.C17.o2.tc	Method	TBLASTX:Cress
Start	2	End	589
GI	none	Score	66
Exons	2..112, 119..211, 212..337, 368..589		

Seq. No.	35081	Seq. ID	OJ990408_04.9922.C17
Gene No.	72450	Strand	+
Start	7086	End	10391
Name	OJ990408_04.9922.C17.o3.tm	Method	TBLASTX:Maize
Start	20	End	280
GI	none	Score	235
Exons	20..280, 28..102, 187..279		

Seq. No.	35081	Seq. ID	OJ990408_04.9922.C17
Gene No.	72450	Strand	+
Start	7086	End	10391
Name	OJ990408_04.9922.C17.o3.tw	Method	TBLASTX:Wheat
Start	80	End	544
GI	none	Score	156
Exons	80..355, 181..345, 353..544		

Seq. No.	35081	Seq. ID	OJ990408_04.9922.C17
Gene No.	72450	Strand	+
Start	7086	End	10391
Name	OJ990408_04.9922.C17.o2.tm	Method	TBLASTX:Maize
Start	282	End	640
GI	none	Score	160
Exons	282..629, 284..631, 302..640		

Seq. No.	35081	Seq. ID	OJ990408_04.9922.C17
Gene No.	72450	Strand	+
Start	7086	End	10391
Name	OJ990408_04.9922.C17.o2.np	Method	AAT/NAP
Start	7086	End	10391
GI	1706551	Score	872
Exons	7086..7146, 8086..9085, 10364..10391		
GI Descrip.	GLUCAN ENDO-1,3-BETA-GLUCOSIDASE PRECURSOR ((1->3)-BETA-GLUCAN ENDOHYDROLASE) ((1->3)-BETA-GLUCANASE) (BETA-1,3-ENDOGLUCANASE) gi 924953 (U30323) beta 1,3-glucanase [Triticum aestivum]		

Seq. No.	35081	Seq. ID	OJ990408_04.9922.C17
Gene No.	72450	Strand	+
Start	7086	End	10391
Name	OJ990408_04.9922.C17.o1.gp	Method	AAT/GAP
Start	7951	End	8322
GI	2428384	Score	607
Exons	7951..8322		
GI Descrip.	1706551/sp P52409 E13B WHEAT 4.0e-15 GLUCAN ENDO-1,3-BETA-GLUCOSIDASE PRECURSOR ((1->3)-BETA-GLUCAN ENDOHYDROLASE) ((1->3)-BETA-GLUCANASE) (BETA-1,3-ENDOGLUCANASE) >gi_924953 (U30323) beta 1,3-glucanase [Triticum aestivum]		

Seq. No.	35081	Seq. ID	OJ990408_04.9922.C17
Gene No.	72450	Strand	+
Start	7086	End	10391
Name	OJ990408_04.9922.C17.o1.tm	Method	TBLASTX:Maize

Start	8011	End	9043
GI	none	Score	65
Exons	8011..8148, 8096..8161, 8159..8293, 8174..8284, 8299..8376, 8300..8398, 8414..8554, 8416..8556, 8558..8650, 8629..8778, 8675..8776, 8774..8908, 8897..9043, 8908..9042		

Seq. No.	35081	Seq. ID	OJ990408_04.9922.C17
Gene No.	72450	Strand	+
Start	7086	End	10391
Name	OJ990408_04.9922.C17.o3.gs	Method	GENSCAN
Start	8012	End	9961
GI	none	Score	.57
Exons	8012..9370, 9497..9583, 9827..9961		

Seq. No.	35081	Seq. ID	OJ990408_04.9922.C17
Gene No.	72450	Strand	+
Start	7086	End	10391
Name	OJ990408_04.9922.C17.o1.ts	Method	TBLASTX:Soybean
Start	8084	End	9058
GI	none	Score	389
Exons	8084..8275, 8095..8478, 8096..8485, 8483..8674, 8494..8646, 8675..8821, 8677..8817, 8834..9058, 8902..9045		

Seq. No.	35081	Seq. ID	OJ990408_04.9922.C17
Gene No.	72450	Strand	+
Start	7086	End	10391
Name	OJ990408_04.9922.C17.o1.tc	Method	TBLASTX:Cress
Start	8090	End	8803
GI	none	Score	56
Exons	8090..8137, 8092..8136, 8126..8485, 8128..8460, 8513..8803, 8539..8802		

Seq. No.	35081	Seq. ID	OJ990408_04.9922.C17
Gene No.	72450	Strand	+
Start	7086	End	10391
Name	OJ990408_04.9922.C17.o1.tw	Method	TBLASTX:Wheat
Start	8264	End	8626
GI	none	Score	251
Exons	8264..8485, 8266..8478, 8482..8625, 8483..8626		

Seq. No.	35081	Seq. ID	OJ990408_04.9922.C17
Gene No.	72450	Strand	+
Start	7086	End	10391
Name	OJ990408_04.9922.C17.o2.tw	Method	TBLASTX:Wheat
Start	8797	End	9058
GI	none	Score	334
Exons	8797..9045, 8801..9058, 8987..9049		

Seq. No.	35081	Seq. ID	OJ990408_04.9922.C17
Gene No.	72450	Strand	+
Start	7086	End	10391
Name	OJ990408_04.9922.C17.o3.tc	Method	TBLASTX:Cress
Start	8897	End	9058
GI	none	Score	204
Exons	8897..9058, 8902..9048		

Seq. No.	35082	Seq. ID	OJ990408_04.9922.C19
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Gene No. 72451
 Start 499
 Name OJ990408_04.9922.C19.o1.gp
 Start 499
 GI none
 Exons 499..801

Strand -
 End 801
 Method AAT/GAP
 End 801
 Score 465

Seq. No. 35083
 Gene No. 72452
 Start 1
 Name OJ990428_01.9924.C1.o1.np
 Start 1
 GI 6498441
 Exons 1..189, 373..507, 682..1156
 GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. ID OJ990428_01.9924.C1
 Strand +
 End 1156
 Method AAT/NAP
 End 1156
 Score 1064

Seq. No. 35083
 Gene No. 72452
 Start 1
 Name OJ990428_01.9924.C1.o2.tm
 Start 6
 GI none
 Exons 6..80, 76..300, 77..310

Seq. ID OJ990428_01.9924.C1
 Strand +
 End 1156
 Method TBLASTX:Maize
 End 310
 Score 70

Seq. No. 35083
 Gene No. 72452
 Start 1
 Name OJ990428_01.9924.C1.o2.tw
 Start 6
 GI none
 Exons 6..80, 35..79, 55..279, 56..286, 77..280

Seq. ID OJ990428_01.9924.C1
 Strand +
 End 1156
 Method TBLASTX:Wheat
 End 286
 Score 67

Seq. No. 35083
 Gene No. 72452
 Start 1
 Name OJ990428_01.9924.C1.o1.tm
 Start 338
 GI none
 Exons 338..721, 373..702

Seq. ID OJ990428_01.9924.C1
 Strand +
 End 1156
 Method TBLASTX:Maize
 End 721
 Score 351

Seq. No. 35083
 Gene No. 72452
 Start 1
 Name OJ990428_01.9924.C1.o1.tw
 Start 394
 GI none
 Exons 394..807, 395..814

Seq. ID OJ990428_01.9924.C1
 Strand +
 End 1156
 Method TBLASTX:Wheat
 End 814
 Score 485

Seq. No. 35083
 Gene No. 72452
 Start 1
 Name OJ990428_01.9924.C1.o1.ts
 Start 473
 GI none
 Exons 473..844, 490..633

Seq. ID OJ990428_01.9924.C1
 Strand +
 End 1156
 Method TBLASTX:Soybean
 End 844
 Score 278

Seq. No.	35084	Seq. ID	OJ990428_01.9924.C2
Gene No.	72453	Strand	-
Start	51	End	669
Name	OJ990428_01.9924.C2.o1.gs	Method	GENSCAN
Start	51	End	504
GI	none	Score	.56
Exons	51..504		

Seq. No.	35084	Seq. ID	OJ990428_01.9924.C2
Gene No.	72453	Strand	-
Start	51	End	669
Name	OJ990428_01.9924.C2.o1.tm	Method	TBLASTX:Maize
Start	73	End	429
GI	none	Score	119
Exons	73..378, 73..429, 83..394		

Seq. No.	35084	Seq. ID	OJ990428_01.9924.C2
Gene No.	72453	Strand	-
Start	51	End	669
Name	OJ990428_01.9924.C2.o1.tw	Method	TBLASTX:Wheat
Start	97	End	542
GI	none	Score	208
Exons	97..531, 103..519, 104..541, 117..542		

Seq. No.	35084	Seq. ID	OJ990428_01.9924.C2
Gene No.	72453	Strand	-
Start	51	End	669
Name	OJ990428_01.9924.C2.o1.np	Method	AAT/NAP
Start	194	End	669
GI	6498441	Score	595
Exons	194..566, 631..669		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	35085	Seq. ID	OJ990428_01.9924.C3
Gene No.	72454	Strand	-
Start	92	End	287
Name	OJ990428_01.9924.C3.o1.gs	Method	GENSCAN
Start	92	End	287
GI	none	Score	.49
Exons	92..287		

Seq. No.	35086	Seq. ID	OJ990428_01.9924.C4
Gene No.	72455	Strand	-
Start	1	End	870
Name	OJ990428_01.9924.C4.o1.np	Method	AAT/NAP
Start	1	End	870
GI	4539394	Score	677
Exons	1..870		
GI Descrip.	(AL035526) putative protein [Arabidopsis thaliana]		

Seq. No.	35086	Seq. ID	OJ990428_01.9924.C4
Gene No.	72455	Strand	-
Start	1	End	870
Name	OJ990428_01.9924.C4.o1.ts	Method	TBLASTX:Soybean

Start 2
GI none
Exons 2..520, 54..383, 71..385

End 520
Score 103

Seq. No. 35086
Gene No. 72455
Start 1
Name OJ990428_01.9924.C4.o1.tc
Start 5
GI none
Exons 5..589, 201..638

Seq. ID OJ990428_01.9924.C4
Strand -
End 870
Method TBLASTX:Cress
End 638
Score 102

Seq. No. 35086
Gene No. 72455
Start 1
Name OJ990428_01.9924.C4.o1.tm
Start 23
GI none
Exons 23..814, 63..683, 488..685, 512..850

Seq. ID OJ990428_01.9924.C4
Strand -
End 870
Method TBLASTX:Maize
End 850
Score 242

Seq. No. 35086
Gene No. 72455
Start 1
Name OJ990428_01.9924.C4.o1.gs
Start 190
GI none
Exons 190..829

Seq. ID OJ990428_01.9924.C4
Strand -
End 870
Method GENSCAN
End 829
Score .94

Seq. No. 35086
Gene No. 72455
Start 1
Name OJ990428_01.9924.C4.o1.tw
Start 375
GI none
Exons 375..812, 380..850, 740..868

Seq. ID OJ990428_01.9924.C4
Strand -
End 870
Method TBLASTX:Wheat
End 868
Score 60

Seq. No. 35086
Gene No. 72455
Start 1
Name OJ990428_01.9924.C4.o2.ts
Start 521
GI none
Exons 521..658, 581..868, 582..869

Seq. ID OJ990428_01.9924.C4
Strand -
End 870
Method TBLASTX:Soybean
End 869
Score 101

Seq. No. 35087
Gene No. 72456
Start 196
Name OJ990428_01.9924.C6.o1.np
Start 196
GI 5042454
Exons 196..366, 603..656

Seq. ID OJ990428_01.9924.C6
Strand +
End 656
Method AAT/NAP
End 656
Score 193

GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No. 35087
Gene No. 72456
Start 196
Name OJ990428_01.9924.C6.o1.gs

Seq. ID OJ990428_01.9924.C6
Strand +
End 656
Method GENSCAN

Start	280	End	366
GI	none	Score	.53
Exons	280..366		

Seq. No.	35088	Seq. ID	OJ990428_01.9924.C9
Gene No.	72457	Strand	+
Start	602	End	976
Name	OJ990428_01.9924.C9.o1.gp	Method	AAT/GAP
Start	602	End	976
GI	60926_1.R1084	Score	358
Exons	602..735, 887..976		
GI Descrip.	'2688822 3.0e-39 (U93272) pyrophosphate-dependent phosphofructo-1-kinase [Prunus armeniaca]'		

Seq. No.	35088	Seq. ID	OJ990428_01.9924.C9
Gene No.	72458	Strand	-
Start	776	End	914
Name	OJ990428_01.9924.C9.o1.gs	Method	GENSCAN
Start	776	End	914
GI	none	Score	.84
Exons	776..914		

Seq. No.	35089	Seq. ID	OJ990428_01.9924.C10
Gene No.	72459	Strand	-
Start	1	End	5612
Name	OJ990428_01.9924.C10.o1.np	Method	AAT/NAP
Start	1	End	4817
GI	2392771	Score	1511
Exons	1..141, 211..409, 494..657, 737..990, 1134..1219, 1498..1677, 1905..2011, 2287..2466, 2703..2808, 3087..3290, 3630..4023, 4692..4817		
GI Descrip.	(AC002534) putative kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	35089	Seq. ID	OJ990428_01.9924.C10
Gene No.	72459	Strand	-
Start	1	End	5612
Name	OJ990428_01.9924.C10.o3.tm	Method	TBLASTX:Maize
Start	2	End	352
GI	none	Score	34
Exons	2..28, 14..37, 26..139, 30..137, 80..139, 212..277, 227..271, 231..311, 234..311, 311..352		

Seq. No.	35089	Seq. ID	OJ990428_01.9924.C10
Gene No.	72459	Strand	-
Start	1	End	5612
Name	OJ990428_01.9924.C10.o1.gs	Method	GENSCAN
Start	27	End	5612
GI	none	Score	.88
Exons	27..136, 230..409, 494..657, 737..990, 1134..1293, 1512..1677, 1905..2011, 2380..2466, 2541..2630, 2703..2784, 3099..3290, 3477..3545, 3688..4023, 4423..4566, 4692..4855, 5546..5612		

Seq. No.	35089	Seq. ID	OJ990428_01.9924.C10
Gene No.	72459	Strand	-
Start	1	End	5612
Name	OJ990428_01.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	483	End	2012

GI	none	Score	116
Exons	483..659, 485..673, 729..992, 730..993, 1116..1256, 1136..1312, 1140..1304, 1498..1662, 1498..1662, 1905..2012, 1906..1989		

Seq. No.	35089	Seq. ID	OJ990428_01.9924.C10
Gene No.	72459	Strand	-
Start	1	End	5612
Name	OJ990428_01.9924.C10.o1.tc	Method	TBLASTX:Cress
Start	485	End	4799
GI	none	Score	76
Exons	485..646, 491..673, 498..659, 735..992, 736..993, 1136..1270, 1140..1268, 1274..1297, 1498..1683, 1499..1678, 1905..2009, 1906..1992, 2288..2386, 2289..2360, 2420..2482, 2525..2593, 2527..2616, 3916..4026, 4403..4531, 4423..4503, 4689..4799, 4690..4794		

Seq. No.	35089	Seq. ID	OJ990428_01.9924.C10
Gene No.	72459	Strand	-
Start	1	End	5612
Name	OJ990428_01.9924.C10.o1.tw	Method	TBLASTX:Wheat
Start	491	End	834
GI	none	Score	127
Exons	491..673, 492..659, 729..833, 730..834		

Seq. No.	35089	Seq. ID	OJ990428_01.9924.C10
Gene No.	72459	Strand	-
Start	1	End	5612
Name	OJ990428_01.9924.C10.o1.ts	Method	TBLASTX:Soybean
Start	594	End	1282
GI	none	Score	65
Exons	594..662, 596..673, 729..992, 730..993, 1136..1282, 1140..1271		

Seq. No.	35089	Seq. ID	OJ990428_01.9924.C10
Gene No.	72459	Strand	-
Start	1	End	5612
Name	OJ990428_01.9924.C10.o2.ts	Method	TBLASTX:Soybean
Start	1497	End	2616
GI	none	Score	62
Exons	1497..1577, 1498..1683, 1499..1678, 1905..2012, 1906..1992, 1916..1996, 2288..2365, 2390..2488, 2421..2474, 2527..2616, 2534..2593		

Seq. No.	35089	Seq. ID	OJ990428_01.9924.C10
Gene No.	72459	Strand	-
Start	1	End	5612
Name	OJ990428_01.9924.C10.o1.gp	Method	AAT/GAP
Start	1905	End	2011
GI	2310239	Score	166
Exons	1905..2011		
GI Descrip.	2392771/gb AAB70034.1 AAB70034 1.0e-31 (AC002534) putative kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	35089	Seq. ID	OJ990428_01.9924.C10
Gene No.	72459	Strand	-
Start	1	End	5612
Name	OJ990428_01.9924.C10.o2.tm	Method	TBLASTX:Maize
Start	2286	End	2577

GI	none	Score	183
Exons	2286..2468, 2288..2488, 2289..2474, 2524..2577, 2527..2577		
Seq. No.	35089	Seq. ID	OJ990428_01.9924.C10
Gene No.	72459	Strand	-
Start	1	End	5612
Name	OJ990428_01.9924.C10.o2.gp	Method	AAT/GAP
Start	2287	End	2423
GI	2310239	Score	231
Exons	2287..2423		
GI Descrip.	2392771/gb AAB70034.1 AAB70034 1.0e-31 (AC002534) putative kinesin-like protein [Arabidopsis thaliana]		

Seq. No.	35089	Seq. ID	OJ990428_01.9924.C10
Gene No.	72459	Strand	-
Start	1	End	5612
Name	OJ990428_01.9924.C10.o3.ts	Method	TBLASTX:Soybean
Start	4432	End	4823
GI	none	Score	86
Exons	4432..4569, 4433..4567, 4527..4565, 4689..4823, 4690..4806		

Seq. No.	35090	Seq. ID	OJ990428_01.9924.C12
Gene No.	72460	Strand	+
Start	6401	End	7123
Name	OJ990428_01.9924.C12.o2.gs	Method	GENSCAN
Start	6401	End	7123
GI	none	Score	.49
Exons	6401..7123		

Seq. No.	35090	Seq. ID	OJ990428_01.9924.C12
Gene No.	72461	Strand	-
Start	108	End	3969
Name	OJ990428_01.9924.C12.o1.gs	Method	GENSCAN
Start	108	End	3969
GI	none	Score	.66
Exons	108..715, 797..926, 1770..1886, 2079..2172, 3899..3969		

Seq. No.	35091	Seq. ID	OJ990428_01.9924.C13
Gene No.	72462	Strand	+
Start	446	End	735
Name	OJ990428_01.9924.C13.o1.gs	Method	GENSCAN
Start	446	End	735
GI	none	Score	.8
Exons	446..560, 693..735		

Seq. No.	35091	Seq. ID	OJ990428_01.9924.C13
Gene No.	72463	Strand	-
Start	1199	End	1966
Name	OJ990428_01.9924.C13.o2.gs	Method	GENSCAN
Start	1199	End	1966
GI	none	Score	.85
Exons	1199..1303, 1868..1966		

Seq. No.	35091	Seq. ID	OJ990428_01.9924.C13
Gene No.	72464	Strand	-
Start	2750	End	2833
Name	OJ990428_01.9924.C13.o1.gp	Method	AAT/GAP

Start	2750	End	2833
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	2750..2833		
GI Descrip.	'2498586/sp Q40638 MP01_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	35092	Seq. ID	OJ990428_01.9924.C14
Gene No.	72465	Strand	+
Start	1	End	1462
Name	OJ990428_01.9924.C14.o1.np	Method	AAT/NAP
Start	1	End	1462
GI	5777623	Score	783
Exons	1..121, 298..812, 1357..1462		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	35092	Seq. ID	OJ990428_01.9924.C14
Gene No.	72466	Strand	-
Start	321	End	856
Name	OJ990428_01.9924.C14.o1.gs	Method	GENSCAN
Start	321	End	856
GI	none	Score	.86
Exons	321..476, 632..856		

Seq. No.	35092	Seq. ID	OJ990428_01.9924.C14
Gene No.	72467	Strand	-
Start	1131	End	1322
Name	OJ990428_01.9924.C14.o1.gp	Method	AAT/GAP
Start	1131	End	1322
GI	5667165	Score	360
Exons	1131..1322		
GI Descrip.	5670155/gb AF161269.1 AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	35093	Seq. ID	OJ990428_01.9924.C15
Gene No.	72468	Strand	+
Start	707	End	1460
Name	OJ990428_01.9924.C15.o1.gs	Method	GENSCAN
Start	707	End	1196
GI	none	Score	.95
Exons	707..716, 1123..1196		

Seq. No.	35093	Seq. ID	OJ990428_01.9924.C15
Gene No.	72468	Strand	+
Start	707	End	1460
Name	OJ990428_01.9924.C15.o1.gp	Method	AAT/GAP
Start	990	End	1460
GI	38782 1.R1084	Score	808
Exons	990..1460		
GI Descrip.	'6069643/dbj AP000616.1 AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	35093	Seq. ID	OJ990428_01.9924.C15
Gene No.	72469	Strand	+
Start	3342	End	6832
Name	OJ990428_01.9924.C15.o2.gp	Method	AAT/GAP
Start	3101	End	3637

GI LIB3475-004-P1-K2-A5 Score 420
 Exons 3101..3352, 3617..3637
 GI Descrip. '5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa
 chromosome 4 BAC q3037-207F1 complete genome'

Seq. No. 35093 Seq. ID OJ990428_01.9924.C15
 Gene No. 72469 Strand +
 Start 3342 End 6832
 Name OJ990428_01.9924.C15.o2.gs Method GENSCAN
 Start 3342 End 4003
 GI none Score .74
 Exons 3342..3397, 3466..3549, 3678..3815, 3958..4003

Seq. No. 35093 Seq. ID OJ990428_01.9924.C15
 Gene No. 72469 Strand +
 Start 3342 End 6832
 Name OJ990428_01.9924.C15.o7.np Method AAT/NAP
 Start 3597 End 6832
 GI 5922620 Score 333
 Exons 3597..3736, 4109..4133, 4889..4959, 5136..5304, 5910..6059,
 6651..6832

GI Descrip. (AP000492) EST D15357(C0514) corresponds to a region of the
 predicted gene.; hypothetical protein [Oryza sativa]
 gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514)
 corresponds to a region of the predicted gene.; hypothetical
 protein [Oryza sativa]

Seq. No. 35093 Seq. ID OJ990428_01.9924.C15
 Gene No. 72470 Strand +
 Start 8857 End 9357
 Name OJ990428_01.9924.C15.o3.gp Method AAT/GAP
 Start 8857 End 9357
 GI none Score 982
 Exons 8857..9357

Seq. No. 35093 Seq. ID OJ990428_01.9924.C15
 Gene No. 72471 Strand -
 Start 1 End 8315
 Name OJ990428_01.9924.C15.o1.np Method AAT/NAP
 Start 1 End 643
 GI 6907088 Score 524
 Exons 1..330, 506..643
 GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No. 35093 Seq. ID OJ990428_01.9924.C15
 Gene No. 72471 Strand -
 Start 1 End 8315
 Name OJ990428_01.9924.C15.o5.np Method AAT/NAP
 Start 1 End 4785
 GI 4539658 Score 246
 Exons 1..27, 2704..2906, 3096..3229, 4747..4785
 GI Descrip. (AF061282) serine carboxypeptidase-like protein [Sorghum
 bicolor]

Seq. No. 35093 Seq. ID OJ990428_01.9924.C15
 Gene No. 72471 Strand -
 Start 1 End 8315

Name	OJ990428_01.9924.C15.o4.np	Method	AAT/NAP
Start	1	End	3222
GI	4539658	Score	244
Exons	1..27, 2704..2906, 3096..3222		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	35093	Seq. ID	OJ990428_01.9924.C15
Gene No.	72471	Strand	-
Start	1	End	8315
Name	OJ990428_01.9924.C15.o3.np	Method	AAT/NAP
Start	1	End	3229
GI	4539658	Score	241
Exons	1..27, 2704..2906, 3096..3229		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	35093	Seq. ID	OJ990428_01.9924.C15
Gene No.	72471	Strand	-
Start	1	End	8315
Name	OJ990428_01.9924.C15.o2.np	Method	AAT/NAP
Start	1473	End	2491
GI	6539570	Score	183
Exons	1473..1544, 1766..1927, 2452..2491		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	35093	Seq. ID	OJ990428_01.9924.C15
Gene No.	72471	Strand	-
Start	1	End	8315
Name	OJ990428_01.9924.C15.o1.tm	Method	TBLASTX:Maize
Start	1998	End	3320
GI	none	Score	104
Exons	1998..2114, 1999..2124, 2002..2127, 2003..2140, 2112..2228, 2113..2241, 2120..2242, 2120..2242, 2533..2634, 2534..2647, 2534..2647, 3085..3192, 3086..3202, 3092..3205, 3093..3218, 3190..3306, 3191..3319, 3198..3320, 3200..3319		

Seq. No.	35093	Seq. ID	OJ990428_01.9924.C15
Gene No.	72471	Strand	-
Start	1	End	8315
Name	OJ990428_01.9924.C15.o6.np	Method	AAT/NAP
Start	3460	End	3545
GI	6630699	Score	90
Exons	3460..3545		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	35093	Seq. ID	OJ990428_01.9924.C15
Gene No.	72471	Strand	-
Start	1	End	8315
Name	OJ990428_01.9924.C15.o3.gs	Method	GENSCAN
Start	4444	End	7460
GI	none	Score	.93
Exons	4444..4548, 4584..4687, 4865..5125, 5189..5269, 6222..6337, 6645..6779, 7399..7460		

Seq. No.	35093	Seq. ID	OJ990428_01.9924.C15
Gene No.	72471	Strand	-
Start	1	End	8315
Name	OJ990428_01.9924.C15.o8.np	Method	AAT/NAP
Start	6971	End	8315
GI	6630699	Score	88
Exons	6971..7089, 8289..8315		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi 6721536 dbj BAA89566.1 (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	35094	Seq. ID	OJ990428_01.9924.C16
Gene No.	72472	Strand	+
Start	64	End	397
Name	OJ990428_01.9924.C16.o1.gp	Method	AAT/GAP
Start	64	End	397
GI	none	Score	634
Exons	64..397		

Seq. No.	35094	Seq. ID	OJ990428_01.9924.C16
Gene No.	72473	Strand	-
Start	244	End	1389
Name	OJ990428_01.9924.C16.o1.gs	Method	GENSCAN
Start	244	End	1261
GI	none	Score	.98
Exons	244..737, 1029..1104, 1256..1261		

Seq. No.	35094	Seq. ID	OJ990428_01.9924.C16
Gene No.	72473	Strand	-
Start	244	End	1389
Name	OJ990428_01.9924.C16.o2.gp	Method	AAT/GAP
Start	551	End	1389
GI	60926_1.R1084	Score	727
Exons	551..737, 1029..1104, 1256..1389		
GI Descrip.	'2688822 3.0e-39 (U93272) pyrophosphate-dependent phosphofructo-1-kinase [Prunus armeniaca]'		

Seq. No.	35095	Seq. ID	OJ990428_01.9924.C17
Gene No.	72474	Strand	+
Start	82	End	1645
Name	OJ990428_01.9924.C17.o1.np	Method	AAT/NAP
Start	82	End	1645
GI	4584542	Score	103
Exons	82..115, 1300..1645		
GI Descrip.	(AL049608) putative protein [Arabidopsis thaliana]		

Seq. No.	35095	Seq. ID	OJ990428_01.9924.C17
Gene No.	72474	Strand	+
Start	82	End	1645
Name	OJ990428_01.9924.C17.o1.gs	Method	GENSCAN
Start	201	End	1556
GI	none	Score	.57
Exons	201..279, 1169..1251, 1288..1556		

Seq. No.	35095	Seq. ID	OJ990428_01.9924.C17
Gene No.	72474	Strand	+
Start	82	End	1645

Name	OJ990428_01.9924.C17.o2.np	Method	AAT/NAP
Start	1300	End	1645
GI	4584542	Score	97
Exons	1300..1645		
GI Descrip.	(AL049608) putative protein [Arabidopsis thaliana]		

Seq. No.	35096	Seq. ID	OJ990428_01.9924.C18
Gene No.	72475	Strand	+
Start	238	End	2247
Name	OJ990428_01.9924.C18.o1.gs	Method	GENSCAN
Start	238	End	2247
GI	none	Score	.86
Exons	238..274, 2042..2247		

Seq. No.	35097	Seq. ID	OJ990428_01.9924.C19
Gene No.	72476	Strand	+
Start	99	End	2983
Name	OJ990428_01.9924.C19.o1.gs	Method	GENSCAN
Start	99	End	2983
GI	none	Score	.66
Exons	99..167, 177..475, 1535..1610, 1640..1742, 2844..2983		

Seq. No.	35097	Seq. ID	OJ990428_01.9924.C19
Gene No.	72476	Strand	+
Start	99	End	2983
Name	OJ990428_01.9924.C19.o1.np	Method	AAT/NAP
Start	298	End	1119
GI	5042439	Score	247
Exons	298..390, 913..1119		
GI Descrip.	(AC007789) putative DNA-binding protein [Oryza sativa]		

Seq. No.	35098	Seq. ID	OJ990428_01.9924.C20
Gene No.	72477	Strand	-
Start	681	End	1815
Name	OJ990428_01.9924.C20.o1.gp	Method	AAT/GAP
Start	496	End	1297
GI	93138_1.R1084	Score	1306
Exons	496..1043, 1170..1297		
GI Descrip.	'5803242/dbj AP000399.1 AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	35098	Seq. ID	OJ990428_01.9924.C20
Gene No.	72477	Strand	-
Start	681	End	1815
Name	OJ990428_01.9924.C20.o1.np	Method	AAT/NAP
Start	640	End	1815
GI	4097549	Score	166
Exons	640..1058, 1755..1815		
GI Descrip.	(U64907) ATRP4 [Arabidopsis thaliana]		

Seq. No.	35098	Seq. ID	OJ990428_01.9924.C20
Gene No.	72477	Strand	-
Start	681	End	1815
Name	OJ990428_01.9924.C20.o1.gs	Method	GENSCAN
Start	681	End	1175
GI	none	Score	.6
Exons	681..1043, 1170..1175		

Seq. No.	35098	Seq. ID	OJ990428_01.9924.C20
Gene No.	72477	Strand	-
Start	681	End	1815
Name	OJ990428_01.9924.C20.o1.tm	Method	TBLASTX:Maize
Start	870	End	1060
GI	none	Score	114
Exons	870..1001, 870..1052, 871..1044, 995..1060		

Seq. No.	35099	Seq. ID	OJ990428_01.9924.C21
Gene No.	72478	Strand	-
Start	1577	End	2248
Name	OJ990428_01.9924.C21.o1.np	Method	AAT/NAP
Start	1577	End	2248
GI	5732079	Score	159
Exons	1577..1795, 2135..2248		
GI Descrip.	(AF162444) No definition line found [Arabidopsis thaliana]		

Seq. No.	35099	Seq. ID	OJ990428_01.9924.C21
Gene No.	72479	Strand	-
Start	4739	End	5826
Name	OJ990428_01.9924.C21.o2.gs	Method	GENSCAN
Start	4739	End	5826
GI	none	Score	.41
Exons	4739..5389, 5760..5826		

Seq. No.	35099	Seq. ID	OJ990428_01.9924.C21
Gene No.	72479	Strand	-
Start	4739	End	5826
Name	OJ990428_01.9924.C21.o2.np	Method	AAT/NAP
Start	4907	End	5236
GI	5732079	Score	163
Exons	4907..5236		
GI Descrip.	(AF162444) No definition line found [Arabidopsis thaliana]		

Seq. No.	35100	Seq. ID	OJ990428_01.9924.C22
Gene No.	72480	Strand	-
Start	1	End	1813
Name	OJ990428_01.9924.C22.o1.np	Method	AAT/NAP
Start	1	End	1813
GI	5803259	Score	128
Exons	1..39, 1692..1813		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	35101	Seq. ID	OJ990428_01.9924.C23
Gene No.	72481	Strand	+
Start	288	End	379
Name	OJ990428_01.9924.C23.o1.gs	Method	GENSCAN
Start	288	End	379
GI	none	Score	.47
Exons	288..379		

Seq. No.	35101	Seq. ID	OJ990428_01.9924.C23
Gene No.	72482	Strand	-
Start	697	End	821
Name	OJ990428_01.9924.C23.o2.gs	Method	GENSCAN
Start	697	End	821

GI	none	Score	.48
Exons	697..821		
Seq. No.	35102	Seq. ID	OJ990428_01.9924.C24
Gene No.	72483	Strand	+
Start	1039	End	2981
Name	OJ990428_01.9924.C24.o1.gs	Method	GENSCAN
Start	1039	End	2981
GI	none	Score	.43
Exons	1039..1068, 2204..2343, 2577..2981		

Seq. No.	35103	Seq. ID	OJ990428_01.9924.C25
Gene No.	72484	Strand	+
Start	2581	End	5840
Name	OJ990428_01.9924.C25.o1.np	Method	AAT/NAP
Start	2581	End	5837
GI	5803259	Score	5160
Exons	2581..3842, 3938..5837		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	35103	Seq. ID	OJ990428_01.9924.C25
Gene No.	72484	Strand	+
Start	2581	End	5840
Name	OJ990428_01.9924.C25.o2.gs	Method	GENSCAN
Start	2581	End	5840
GI	none	Score	.86
Exons	2581..3842, 3938..5378, 5694..5840		

Seq. No.	35103	Seq. ID	OJ990428_01.9924.C25
Gene No.	72485	Strand	-
Start	5848	End	6308
Name	OJ990428_01.9924.C25.o1.gp	Method	AAT/GAP
Start	5848	End	6308
GI	2428323	Score	833
Exons	5848..6308		
GI Descrip.	5803242/dbj AP000399.1 AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	35103	Seq. ID	OJ990428_01.9924.C25
Gene No.	72486	Strand	-
Start	6473	End	8035
Name	OJ990428_01.9924.C25.o2.tm	Method	TBLASTX:Maize
Start	6470	End	6616
GI	none	Score	121
Exons	6470..6616, 6477..6611		

Seq. No.	35103	Seq. ID	OJ990428_01.9924.C25
Gene No.	72486	Strand	-
Start	6473	End	8035
Name	OJ990428_01.9924.C25.o3.gs	Method	GENSCAN
Start	6473	End	7909
GI	none	Score	.77
Exons	6473..7909		

Seq. No.	35103	Seq. ID	OJ990428_01.9924.C25
Gene No.	72486	Strand	-
Start	6473	End	8035

Name	OJ990428_01.9924.C25.o2.np	Method	AAT/NAP
Start	6476	End	8035
GI	6498441	Score	2343
Exons	6476..6757, 6851..8035		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	35103	Seq. ID	OJ990428_01.9924.C25
Gene No.	72486	Strand	-
Start	6473	End	8035
Name	OJ990428_01.9924.C25.o2.tw	Method	TBLASTX:Wheat
Start	6485	End	7087
GI	none	Score	74
Exons	6485..6610, 6489..6611, 6791..7087, 6804..6947, 6984..7082, 7012..7083		

Seq. No.	35103	Seq. ID	OJ990428_01.9924.C25
Gene No.	72486	Strand	-
Start	6473	End	8035
Name	OJ990428_01.9924.C25.o1.tw	Method	TBLASTX:Wheat
Start	7088	End	7469
GI	none	Score	171
Exons	7088..7468, 7119..7367, 7127..7372, 7413..7469		

Seq. No.	35103	Seq. ID	OJ990428_01.9924.C25
Gene No.	72486	Strand	-
Start	6473	End	8035
Name	OJ990428_01.9924.C25.o1.tm	Method	TBLASTX:Maize
Start	7283	End	7606
GI	none	Score	204
Exons	7283..7606, 7296..7577		

Seq. No.	35104	Seq. ID	OJ990428_01.9924.C26
Gene No.	72487	Strand	-
Start	1	End	1547
Name	OJ990428_01.9924.C26.o1.np	Method	AAT/NAP
Start	1	End	1547
GI	6498441	Score	1790
Exons	1..459, 631..1013, 1206..1547		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	35104	Seq. ID	OJ990428_01.9924.C26
Gene No.	72487	Strand	-
Start	1	End	1547
Name	OJ990428_01.9924.C26.o2.np	Method	AAT/NAP
Start	1	End	1547
GI	4263831	Score	195
Exons	1..252, 808..843, 1348..1547		
GI Descrip.	(AC006067) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	35104	Seq. ID	OJ990428_01.9924.C26
Gene No.	72487	Strand	-
Start	1	End	1547

Name	OJ990428_01.9924.C26.o3.tw	Method	TBLASTX:Wheat
Start	10	End	322
GI	none	Score	66
Exons	10..270, 146..322		
Seq. No.	35104	Seq. ID	OJ990428_01.9924.C26
Gene No.	72487	Strand	-
Start	1	End	1547
Name	OJ990428_01.9924.C26.o1.ts	Method	TBLASTX:Soybean
Start	70	End	636
GI	5666795	Score	68
Exons	70..270, 325..462, 538..636		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	35104	Seq. ID	OJ990428_01.9924.C26
Gene No.	72487	Strand	-
Start	1	End	1547
Name	OJ990428_01.9924.C26.o1.tw	Method	TBLASTX:Wheat
Start	325	End	759
GI	none	Score	88
Exons	325..474, 326..463, 328..465, 508..759, 518..694, 562..759		
Seq. No.	35104	Seq. ID	OJ990428_01.9924.C26
Gene No.	72487	Strand	-
Start	1	End	1547
Name	OJ990428_01.9924.C26.o2.tw	Method	TBLASTX:Wheat
Start	760	End	1545
GI	none	Score	198
Exons	760..828, 1333..1545		
Seq. No.	35105	Seq. ID	OJ990428_01.9924.C27
Gene No.	72488	Strand	-
Start	77	End	2545
Name	OJ990428_01.9924.C27.o1.gs	Method	GENSCAN
Start	77	End	2487
GI	none	Score	.66
Exons	77..1902, 1958..2164, 2401..2487		
Seq. No.	35105	Seq. ID	OJ990428_01.9924.C27
Gene No.	72488	Strand	-
Start	77	End	2545
Name	OJ990428_01.9924.C27.o1.np	Method	AAT/NAP
Start	486	End	2545
GI	5042454	Score	2252
Exons	486..1902, 1958..2068, 2401..2545		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	35105	Seq. ID	OJ990428_01.9924.C27
Gene No.	72488	Strand	-
Start	77	End	2545
Name	OJ990428_01.9924.C27.o1.tw	Method	TBLASTX:Wheat
Start	838	End	1230
GI	none	Score	92
Exons	838..1095, 872..1111, 1078..1176, 1079..1171, 1183..1230		
Seq. No.	35105	Seq. ID	OJ990428_01.9924.C27
Gene No.	72488	Strand	-

Start 77
 Name OJ990428_01.9924.C27.o1.tm
 Start 940
 GI none
 Exons 940..1188, 941..1225

End 2545
 Method TBLASTX:Maize
 End 1225
 Score 107

Seq. No. 35106
 Gene No. 72489
 Start 595
 Name OJ990428_01.9924.C28.o1.gs
 Start 595
 GI none
 Exons 595..763, 1191..1663

Seq. ID OJ990428_01.9924.C28
 Strand -
 End 1671
 Method GENSCAN
 End 1663
 Score .93

Seq. No. 35106
 Gene No. 72489
 Start 595
 Name OJ990428_01.9924.C28.o1.ts
 Start 1172
 GI none
 Exons 1172..1498, 1188..1463

Seq. ID OJ990428_01.9924.C28
 Strand -
 End 1671
 Method TBLASTX:Soybean
 End 1498
 Score 204

Seq. No. 35106
 Gene No. 72489
 Start 595
 Name OJ990428_01.9924.C28.o1.tm
 Start 1175
 GI none
 Exons 1175..1477, 1188..1478

Seq. ID OJ990428_01.9924.C28
 Strand -
 End 1671
 Method TBLASTX:Maize
 End 1478
 Score 182

Seq. No. 35106
 Gene No. 72489
 Start 595
 Name OJ990428_01.9924.C28.o1.tc
 Start 1187
 GI none
 Exons 1187..1447, 1187..1465, 1188..1484, 1469..1660, 1542..1661

Seq. ID OJ990428_01.9924.C28
 Strand -
 End 1671
 Method TBLASTX:Cress
 End 1661
 Score 84

Seq. No. 35106
 Gene No. 72489
 Start 595
 Name OJ990428_01.9924.C28.o1.np
 Start 1190
 GI 3860271
 Exons 1190..1671
 GI Descrip. (AC005824) putative selenium-binding protein [Arabidopsis thaliana]

Seq. ID OJ990428_01.9924.C28
 Strand -
 End 1671
 Method AAT/NAP
 End 1671
 Score 423

Seq. No. 35107
 Gene No. 72490
 Start 27
 Name OJ990428_01.9924.C29.o1.gs
 Start 27
 GI none
 Exons 27..129

Seq. ID OJ990428_01.9924.C29
 Strand +
 End 129
 Method GENSCAN
 End 129
 Score .94

Seq. No. 35108

Seq. ID OJ990428_01.9924.C30

Gene No.	72491	Strand	-
Start	639	End	685
Name	OJ990428_01.9924.C30.o1.gs	Method	GENSCAN
Start	639	End	685
GI	none	Score	.93
Exons	639..685		
Seq. No.	35109	Seq. ID	OJ990428_01.9924.C31
Gene No.	72492	Strand	-
Start	68	End	517
Name	OJ990428_01.9924.C31.o1.gs	Method	GENSCAN
Start	68	End	517
GI	none	Score	.44
Exons	68..171, 349..517		
Seq. No.	35110	Seq. ID	OJ990428_01.9924.C33
Gene No.	72493	Strand	+
Start	44	End	460
Name	OJ990428_01.9924.C33.o1.gs	Method	GENSCAN
Start	44	End	460
GI	none	Score	.69
Exons	44..145, 425..460		
Seq. No.	35111	Seq. ID	OJ990428_01.9924.C34
Gene No.	72494	Strand	-
Start	1	End	736
Name	OJ990428_01.9924.C34.o1.np	Method	AAT/NAP
Start	1	End	736
GI	1707007	Score	323
Exons	1..736		
GI Descrip.	(U78721) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	35111	Seq. ID	OJ990428_01.9924.C34
Gene No.	72494	Strand	-
Start	1	End	736
Name	OJ990428_01.9924.C34.o1.tm	Method	TBLASTX:Maize
Start	63	End	680
GI	none	Score	77
Exons	63..248, 69..323, 357..548, 411..548, 445..549, 564..680		
Seq. No.	35111	Seq. ID	OJ990428_01.9924.C34
Gene No.	72494	Strand	-
Start	1	End	736
Name	OJ990428_01.9924.C34.o1.tc	Method	TBLASTX:Cress
Start	66	End	734
GI	none	Score	91
Exons	66..287, 78..143, 162..320, 162..323, 366..548, 379..432, 453..551, 555..734, 558..725		
Seq. No.	35111	Seq. ID	OJ990428_01.9924.C34
Gene No.	72494	Strand	-
Start	1	End	736
Name	OJ990428_01.9924.C34.o1.ts	Method	TBLASTX:Soybean
Start	72	End	624
GI	none	Score	83
Exons	72..248, 351..608, 448..624		

Seq. No.	35112	Seq. ID	OJ990428_01.9924.C35
Gene No.	72495	Strand	
Start	3	End	971
Name	OJ990428_01.9924.C35.ol.tc	Method	TBLASTX:Cress
Start	3	End	971
GI	none	Score	38
Exons	3..314, 3..209, 123..200, 207..389, 207..383, 381..464, 384..614, 448..495, 498..935, 528..728, 568..729, 591..920, 726..791, 810..971, 810..968		

Seq. No.	35112	Seq. ID	OJ990428_01.9924.C35
Gene No.	72495	Strand	
Start	3	End	971
Name	OJ990428_01.9924.C35.ol.tm	Method	TBLASTX:Maize
Start	3	End	971
GI	none	Score	47
Exons	3..65, 3..386, 183..311, 207..374, 288..386, 405..668, 516..704, 588..971, 604..669, 755..916, 810..971, 811..957		

Seq. No.	35112	Seq. ID	OJ990428_01.9924.C35
Gene No.	72495	Strand	
Start	3	End	971
Name	OJ990428_01.9924.C35.ol.tw	Method	TBLASTX:Wheat
Start	3	End	971
GI	none	Score	50
Exons	3..350, 267..368, 396..650, 549..614, 567..953, 870..971, 871..966		

Seq. No.	35112	Seq. ID	OJ990428_01.9924.C35
Gene No.	72495	Strand	
Start	3	End	971
Name	OJ990428_01.9924.C35.ol.ts	Method	TBLASTX:Soybean
Start	6	End	971
GI	none	Score	86
Exons	6..344, 7..342, 264..383, 396..644, 564..947, 565..945, 867..971		

Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72496	Strand	+
Start	1176	End	5800
Name	OJ990428_01.9924.C36.o2.gs	Method	GENSCAN
Start	1176	End	2223
GI	none	Score	.63
Exons	1176..1300, 1423..1610, 1703..2223		

Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72496	Strand	+
Start	1176	End	5800
Name	OJ990428_01.9924.C36.o2.np	Method	AAT/NAP
Start	1949	End	5800
GI	4539423	Score	983
Exons	1949..1985, 3249..3592, 4184..5019, 5713..5800		
GI Descrip.	(AL049171) pyrophosphate-dependent phosphofructo-1-kinase [Arabidopsis thaliana]		

Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72496	Strand	+
Start	1176	End	5800

Name	OJ990428_01.9924.C36.o3.gs	Method	GENSCAN
Start	2987	End	5011
GI	none	Score	.77
Exons	2987..3592, 4184..5011		
Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72496	Strand	+
Start	1176	End	5800
Name	OJ990428_01.9924.C36.o1.gp	Method	AAT/GAP
Start	4281	End	4660
GI	2312248	Score	736
Exons	4281..4660		
GI Descrip.	2688822 3.0e-39 (U93272) pyrophosphate-dependent phosphofructo-1-kinase [Prunus armeniaca]		
Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72497	Strand	+
Start	6158	End	7862
Name	OJ990428_01.9924.C36.o2.gp	Method	AAT/GAP
Start	6083	End	6670
GI	uC-osflcyp011h06b1	Score	923
Exons	6083..6355, 6461..6670		
GI Descrip.	'2935342 2.0e-24 (AF044216) steroid 22-alpha-hydroxylase; DWF4; CYP90B1 [Arabidopsis thaliana]		
Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72497	Strand	+
Start	6158	End	7862
Name	OJ990428_01.9924.C36.o4.gs	Method	GENSCAN
Start	6158	End	7862
GI	none	Score	.75
Exons	6158..6355, 6427..6565, 6958..7209, 7780..7862		
Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72498	Strand	-
Start	1	End	2213
Name	OJ990428_01.9924.C36.o1.np	Method	AAT/NAP
Start	1	End	2213
GI	6729034	Score	184
Exons	1..494, 2181..2213		
GI Descrip.	(AC009177) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72498	Strand	-
Start	1	End	2213
Name	OJ990428_01.9924.C36.o1.gs	Method	GENSCAN
Start	109	End	798
GI	none	Score	.9
Exons	109..798		
Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72499	Strand	-
Start	6682	End	6987
Name	OJ990428_01.9924.C36.o3.gp	Method	AAT/GAP
Start	6682	End	6987
GI	425878	Score	559
Exons	6682..6987		

Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72500	Strand	-
Start	7053	End	8224
Name	OJ990428_01.9924.C36.o3.tm	Method	TBLASTX:Maize
Start	56	End	555
GI	none	Score	42
Exons	56..118, 61..84, 76..198, 88..342, 91..294, 94..285, 95..214, 115..162, 190..297, 310..504, 373..483, 383..532, 502..555		

Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72500	Strand	-
Start	7053	End	8224
Name	OJ990428_01.9924.C36.o3.tw	Method	TBLASTX:Wheat
Start	100	End	486
GI	none	Score	57
Exons	100..285, 101..169, 316..459, 376..486		

Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72500	Strand	-
Start	7053	End	8224
Name	OJ990428_01.9924.C36.o2.tc	Method	TBLASTX:Cress
Start	3257	End	4258
GI	none	Score	139
Exons	3257..3448, 3473..3595, 3502..3594, 4181..4258		

Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72500	Strand	-
Start	7053	End	8224
Name	OJ990428_01.9924.C36.o1.tm	Method	TBLASTX:Maize
Start	3329	End	5005
GI	none	Score	67
Exons	3329..3361, 3398..3448, 3485..3595, 4181..4621, 4183..4527, 4640..4717, 4642..4686, 4740..4898, 4742..4996, 4744..4884, 4745..5005		

Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72500	Strand	-
Start	7053	End	8224
Name	OJ990428_01.9924.C36.o1.ts	Method	TBLASTX:Soybean
Start	3353	End	5020
GI	none	Score	67
Exons	3353..3448, 3485..3595, 3499..3594, 4181..4699, 4183..4527, 4639..4677, 4717..4884, 4739..5005, 4739..5020		

Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72500	Strand	-
Start	7053	End	8224
Name	OJ990428_01.9924.C36.o1.tw	Method	TBLASTX:Wheat
Start	4256	End	4645
GI	none	Score	176
Exons	4256..4411, 4273..4437, 4318..4428, 4396..4539, 4409..4645, 4463..4612		

Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72500	Strand	-
Start	7053	End	8224

Name	OJ990428_01.9924.C36.o1.tc	Method	TBLASTX:Cress
Start	4262	End	4585
GI	none	Score	306
Exons	4262..4561, 4270..4545, 4277..4585		
Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72500	Strand	-
Start	7053	End	8224
Name	OJ990428_01.9924.C36.o2.tw	Method	TBLASTX:Wheat
Start	4735	End	4993
GI	none	Score	201
Exons	4735..4872, 4739..4993		
Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72500	Strand	-
Start	7053	End	8224
Name	OJ990428_01.9924.C36.o3.tc	Method	TBLASTX:Cress
Start	4778	End	4999
GI	none	Score	213
Exons	4778..4999, 4780..4998		
Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72500	Strand	-
Start	7053	End	8224
Name	OJ990428_01.9924.C36.o2.tm	Method	TBLASTX:Maize
Start	6789	End	7931
GI	none	Score	94
Exons	6789..6857, 6793..6858, 6793..6858, 6794..6883, 7020..7142, 7020..7169, 7021..7143, 7795..7929, 7798..7929, 7803..7931		
Seq. No.	35113	Seq. ID	OJ990428_01.9924.C36
Gene No.	72500	Strand	-
Start	7053	End	8224
Name	OJ990428_01.9924.C36.o3.np	Method	AAT/NAP
Start	7053	End	8224
GI	6561969	Score	147
Exons	7053..7140, 7804..7928, 8182..8224		
GI Descrip.	(AL132979) steroid 22-alpha-hydroxylase (DWF4) [Arabidopsis thaliana]		
Seq. No.	35114	Seq. ID	OJ990428_01.9924.C39
Gene No.	72501	Strand	+
Start	162	End	559
Name	OJ990428_01.9924.C39.o1.gs	Method	GENSCAN
Start	162	End	559
GI	none	Score	.86
Exons	162..348, 491..559		
Seq. No.	35115	Seq. ID	OJ990428_01.9924.C40
Gene No.	72502	Strand	-
Start	65	End	293
Name	OJ990428_01.9924.C40.o1.gs	Method	GENSCAN
Start	65	End	293
GI	none	Score	.51
Exons	65..168, 281..293		
Seq. No.	35116	Seq. ID	OJ990428_01.9924.C44

Gene No.	72503	Strand	+
Start	706	End	1252
Name	OJ990428_01.9924.C44.o1.gs	Method	GENSCAN
Start	706	End	1252
GI	none	Score	.99
Exons	706..711, 860..1252		

Seq. No.	35116	Seq. ID	OJ990428_01.9924.C44
Gene No.	72503	Strand	+
Start	706	End	1252
Name	OJ990428_01.9924.C44.o1.np	Method	AAT/NAP
Start	753	End	1087
GI	5732079	Score	127
Exons	753..1087		
GI Descrip.	(AF162444) No definition line found [Arabidopsis thaliana]		

Seq. No.	35117	Seq. ID	OJ990428_01.9924.C47
Gene No.	72504	Strand	-
Start	202	End	251
Name	OJ990428_01.9924.C47.o1.gs	Method	GENSCAN
Start	202	End	251
GI	none	Score	.99
Exons	202..251		

Seq. No.	35118	Seq. ID	OJ990408_03.9922.C1
Gene No.	72505	Strand	-
Start	55	End	299
Name	OJ990408_03.9922.C1.o1.gs	Method	GENSCAN
Start	55	End	299
GI	none	Score	.76
Exons	55..131, 194..299		

Seq. No.	35119	Seq. ID	OJ990408_03.9922.C2
Gene No.	72506	Strand	-
Start	1	End	1091
Name	OJ990408_03.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	1091
GI	2642159	Score	360
Exons	1..357, 449..511, 992..1091		
GI Descrip.	(AC003000) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] gi 3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] gi 4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]		

Seq. No.	35119	Seq. ID	OJ990408_03.9922.C2
Gene No.	72506	Strand	-
Start	1	End	1091
Name	OJ990408_03.9922.C2.o1.gp	Method	AAT/GAP
Start	248	End	1091
GI	LIB3477-011-P1-K1-B2	Score	456
Exons	248..357, 449..511, 992..1091		
GI Descrip.	'2642159 5.0e-54 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]'		

Seq. No.	35119	Seq. ID	OJ990408_03.9922.C2
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Gene No.	72506	Strand	-
Start	1	End	1091
Name	OJ990408_03.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	248	End	1091
GI	none	Score	129
Exons	248..358, 250..354, 256..360, 446..514, 447..512, 988..1089, 988..1089, 989..1090, 999..1091		

Seq. No.	35119	Seq. ID	OJ990408_03.9922.C2
Gene No.	72506	Strand	-
Start	1	End	1091
Name	OJ990408_03.9922.C2.o1.ts	Method	TBLASTX:Soybean
Start	248	End	1091
GI	none	Score	142
Exons	248..358, 250..360, 250..354, 276..359, 432..491, 446..514, 447..512, 942..1091, 989..1090		

Seq. No.	35119	Seq. ID	OJ990408_03.9922.C2
Gene No.	72506	Strand	-
Start	1	End	1091
Name	OJ990408_03.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	248	End	1091
GI	none	Score	174
Exons	248..358, 249..347, 250..360, 250..354, 438..512, 446..514, 446..514, 989..1090, 996..1091		

Seq. No.	35119	Seq. ID	OJ990408_03.9922.C2
Gene No.	72506	Strand	-
Start	1	End	1091
Name	OJ990408_03.9922.C2.o1.gs	Method	GENSCAN
Start	449	End	547
GI	none	Score	.83
Exons	449..547		

Seq. No.	35120	Seq. ID	OJ990408_03.9922.C3
Gene No.	72507	Strand	+
Start	12788	End	20283
Name	OJ990408_03.9922.C3.o3.gs	Method	GENSCAN
Start	12788	End	16500
GI	none	Score	.48
Exons	12788..12887, 14074..14225, 14442..14499, 14536..14691, 14716..14896, 14936..15455, 15482..15613, 16348..16500		

Seq. No.	35120	Seq. ID	OJ990408_03.9922.C3
Gene No.	72507	Strand	+
Start	12788	End	20283
Name	OJ990408_03.9922.C3.o2.np	Method	AAT/NAP
Start	14090	End	20283
GI	4680203	Score	2717
Exons	14090..15731, 15875..16106, 16390..16555, 19473..20283		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	35120	Seq. ID	OJ990408_03.9922.C3
Gene No.	72507	Strand	+
Start	12788	End	20283
Name	OJ990408_03.9922.C3.o4.gp	Method	AAT/GAP
Start	17476	End	18212

GI 101153_1.R1084 Score 645
 Exons 17476..17659, 17982..18212
 GI Descrip. '5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa
 indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No. 35120 Seq. ID OJ990408_03.9922.C3
 Gene No. 72508 Strand -
 Start 8 End 3974
 Name OJ990408_03.9922.C3.o1.gs Method GENSCAN
 Start 8 End 3974
 GI none Score .5
 Exons 8..96, 136..299, 975..1045, 1426..1591, 1904..2025, 2862..2933,
 3288..3418, 3791..3974

Seq. No. 35120 Seq. ID OJ990408_03.9922.C3
 Gene No. 72508 Strand -
 Start 8 End 3974
 Name OJ990408_03.9922.C3.o1.gp Method AAT/GAP
 Start 190 End 1750
 GI 26282_1.R1084 Score 806
 Exons 190..299, 1426..1750
 GI Descrip. '5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa
 indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No. 35120 Seq. ID OJ990408_03.9922.C3
 Gene No. 72509 Strand -
 Start 5739 End 11364
 Name OJ990408_03.9922.C3.o1.np Method AAT/NAP
 Start 5739 End 11364
 GI 6063554 Score 202
 Exons 5739..5909, 6536..6568, 7864..8052, 8297..8417, 8453..8732,
 11342..11364
 GI Descrip. (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464)
 correspond to a region of the predicted gene.; hypothetical
 protein [Oryza sativa]

Seq. No. 35120 Seq. ID OJ990408_03.9922.C3
 Gene No. 72509 Strand -
 Start 5739 End 11364
 Name OJ990408_03.9922.C3.o2.gp Method AAT/GAP
 Start 5980 End 6354
 GI 2427387 Score 618
 Exons 5980..6354
 GI Descrip. 5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa
 indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No. 35120 Seq. ID OJ990408_03.9922.C3
 Gene No. 72510 Strand -
 Start 19188 End 20241
 Name OJ990408_03.9922.C3.o3.tw Method TBLASTX:Wheat
 Start 14427 End 14782
 GI none Score 79
 Exons 14427..14519, 14517..14768, 14525..14782

Seq. No. 35120 Seq. ID OJ990408_03.9922.C3
 Gene No. 72510 Strand -
 Start 19188 End 20241

Name	OJ990408_03.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	14700	End	15128
GI	none	Score	103
Exons	14700..14774, 14859..15128, 14882..15115		

Seq. No.	35120	Seq. ID	OJ990408_03.9922.C3
Gene No.	72510	Strand	-
Start	19188	End	20241
Name	OJ990408_03.9922.C3.o1.tc	Method	TBLASTX:Cress
Start	14846	End	15209
GI	none	Score	258
Exons	14846..15013, 14868..15209, 15062..15190		

Seq. No.	35120	Seq. ID	OJ990408_03.9922.C3
Gene No.	72510	Strand	-
Start	19188	End	20241
Name	OJ990408_03.9922.C3.o2.tw	Method	TBLASTX:Wheat
Start	14997	End	15463
GI	none	Score	73
Exons	14997..15053, 15005..15049, 15050..15151, 15051..15155, 15159..15257, 15164..15256, 15167..15259, 15237..15428, 15260..15463		

Seq. No.	35120	Seq. ID	OJ990408_03.9922.C3
Gene No.	72510	Strand	-
Start	19188	End	20241
Name	OJ990408_03.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	15044	End	15422
GI	none	Score	234
Exons	15044..15295, 15054..15296, 15306..15422		

Seq. No.	35120	Seq. ID	OJ990408_03.9922.C3
Gene No.	72510	Strand	-
Start	19188	End	20241
Name	OJ990408_03.9922.C3.o4.tw	Method	TBLASTX:Wheat
Start	15557	End	15972
GI	none	Score	104
Exons	15557..15703, 15559..15714, 15559..15702, 15677..15730, 15679..15732, 15681..15734, 15727..15906, 15744..15824, 15832..15972, 15901..15972		

Seq. No.	35120	Seq. ID	OJ990408_03.9922.C3
Gene No.	72510	Strand	-
Start	19188	End	20241
Name	OJ990408_03.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	15975	End	16356
GI	none	Score	38
Exons	15975..16019, 16035..16136, 16138..16269, 16139..16303, 16306..16356		

Seq. No.	35120	Seq. ID	OJ990408_03.9922.C3
Gene No.	72510	Strand	-
Start	19188	End	20241
Name	OJ990408_03.9922.C3.o1.tw	Method	TBLASTX:Wheat
Start	15987	End	20241
GI	none	Score	160
Exons	15987..16082, 15993..16136, 16025..16147, 16127..16303,		

16139..16174, 16147..16302, 16289..16465, 16308..16478,
 16309..16539, 16477..16569, 19470..19643, 19471..19659,
 19491..19655, 19697..19813, 19700..19798, 19707..19844,
 19823..19858, 19824..19865, 19827..19868, 19846..19869,
 19871..19957, 19875..19934, 19913..20017, 19935..20027,
 19941..20030, 20068..20136, 20068..20151, 20137..20229,
 20137..20241

Seq. No.	35120	Seq. ID	OJ990408_03.9922.C3
Gene No.	72510	Strand	-
Start	19188	End	20241
Name	OJ990408_03.9922.C3.o2.tc	Method	TBLASTX:Cress
Start	16298	End	19653
GI	none	Score	93
Exons	16298..16465, 16308..16430, 16308..16478, 16309..16539, 16477..16569, 19470..19631, 19477..19653, 19490..19618, 19491..19628		

Seq. No.	35120	Seq. ID	OJ990408_03.9922.C3
Gene No.	72510	Strand	-
Start	19188	End	20241
Name	OJ990408_03.9922.C3.o6.gp	Method	AAT/GAP
Start	19188	End	19534
GI	616053.R1084	Score	345
Exons	19188..19534		
GI Descrip.	'1402920/emb CAA66965 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	35121	Seq. ID	OJ990408_03.9922.C4
Gene No.	72511	Strand	-
Start	100	End	495
Name	OJ990408_03.9922.C4.o1.gs	Method	GENSCAN
Start	100	End	495
GI	none	Score	.75
Exons	100..229, 396..495		

Seq. No.	35122	Seq. ID	OJ990408_03.9922.C5
Gene No.	72512	Strand	-
Start	1	End	2660
Name	OJ990408_03.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	2660
GI	6539553	Score	4203
Exons	1..2660		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi 6539590 dbj BAA88206.1 (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	35122	Seq. ID	OJ990408_03.9922.C5
Gene No.	72512	Strand	-
Start	1	End	2660
Name	OJ990408_03.9922.C5.o3.tw	Method	TBLASTX:Wheat
Start	1	End	332
GI	none	Score	127
Exons	1..171, 3..167, 164..241, 164..241, 165..242, 166..243, 257..331, 261..332		

Seq. No. 35122
 Gene No. 72512
 Start 1
 Name OJ990408_03.9922.C5.o4.tm
 Start 188
 GI none
 Exons 188..520, 230..520

Seq. ID OJ990408_03.9922.C5
 Strand -
 End 2660
 Method TBLASTX:Maize
 End 520
 Score 176

Seq. No. 35122
 Gene No. 72512
 Start 1
 Name OJ990408_03.9922.C5.o2.ts
 Start 338
 GI none
 Exons 338..682, 483..683

Seq. ID OJ990408_03.9922.C5
 Strand -
 End 2660
 Method TBLASTX:Soybean
 End 683
 Score 112

Seq. No. 35122
 Gene No. 72512
 Start 1
 Name OJ990408_03.9922.C5.o2.tw
 Start 527
 GI none
 Exons 527..694, 531..677, 734..1078

Seq. ID OJ990408_03.9922.C5
 Strand -
 End 2660
 Method TBLASTX:Wheat
 End 1078
 Score 51

Seq. No. 35122
 Gene No. 72512
 Start 1
 Name OJ990408_03.9922.C5.o2.tm
 Start 638
 GI none
 Exons 638..1078, 717..827, 761..943, 897..1079

Seq. ID OJ990408_03.9922.C5
 Strand -
 End 2660
 Method TBLASTX:Maize
 End 1079
 Score 55

Seq. No. 35122
 Gene No. 72512
 Start 1
 Name OJ990408_03.9922.C5.o1.ts
 Start 749
 GI 5509260
 Exons 749..1213, 768..827, 900..995
 GI Descrip. -

Seq. ID OJ990408_03.9922.C5
 Strand -
 End 2660
 Method TBLASTX:Soybean
 End 1213
 Score 58

Seq. No. 35122
 Gene No. 72512
 Start 1
 Name OJ990408_03.9922.C5.o1.tc
 Start 860
 GI none
 Exons 860..1117, 948..1142

Seq. ID OJ990408_03.9922.C5
 Strand -
 End 2660
 Method TBLASTX:Cress
 End 1142
 Score 84

Seq. No. 35122
 Gene No. 72512
 Start 1
 Name OJ990408_03.9922.C5.o1.tw
 Start 1133
 GI none
 Exons 1133..1888, 1143..1292, 1151..1381, 1412..1831, 1434..1880

Seq. ID OJ990408_03.9922.C5
 Strand -
 End 2660
 Method TBLASTX:Wheat
 End 1888
 Score 174

Seq. No.	35122	Seq. ID	OJ990408_03.9922.C5
Gene No.	72512	Strand	-
Start	1	End	2660
Name	OJ990408_03.9922.C5.o3.ts	Method	TBLASTX:Soybean
Start	1538	End	1936
GI	none	Score	95
Exons	1538..1711, 1712..1936, 1758..1928		

Seq. No.	35122	Seq. ID	OJ990408_03.9922.C5
Gene No.	72512	Strand	-
Start	1	End	2660
Name	OJ990408_03.9922.C5.o3.tm	Method	TBLASTX:Maize
Start	1724	End	2158
GI	none	Score	88
Exons	1724..2158, 1749..1949		

Seq. No.	35122	Seq. ID	OJ990408_03.9922.C5
Gene No.	72512	Strand	-
Start	1	End	2660
Name	OJ990408_03.9922.C5.o4.tw	Method	TBLASTX:Wheat
Start	1889	End	2084
GI	none	Score	181
Exons	1889..2083, 1889..2080, 1992..2084		

Seq. No.	35122	Seq. ID	OJ990408_03.9922.C5
Gene No.	72512	Strand	-
Start	1	End	2660
Name	OJ990408_03.9922.C5.o4.ts	Method	TBLASTX:Soybean
Start	1946	End	2332
GI	none	Score	72
Exons	1946..2185, 2177..2332		

Seq. No.	35122	Seq. ID	OJ990408_03.9922.C5
Gene No.	72512	Strand	-
Start	1	End	2660
Name	OJ990408_03.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	2359	End	2660
GI	none	Score	358
Exons	2359..2541, 2360..2653, 2361..2654, 2427..2660		

Seq. No.	35123	Seq. ID	OJ990408_03.9922.C6
Gene No.	72513	Strand	+
Start	1429	End	3043
Name	OJ990408_03.9922.C6.o2.np	Method	AAT/NAP
Start	1429	End	3043
GI	6815109	Score	152
Exons	1429..1510, 2623..2781, 2930..3043		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	35123	Seq. ID	OJ990408_03.9922.C6
Gene No.	72514	Strand	-
Start	1	End	949
Name	OJ990408_03.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	943
GI	6539553	Score	1426
Exons	1..943		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1		

(D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837)
 Similar to Oryza australiensis retrotransposon RIRE1 (D85597)
 [Oryza sativa]

Seq. No.	35123	Seq. ID	OJ990408_03.9922.C6
Gene No.	72514	Strand	-
Start	1	End	949
Name	OJ990408_03.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	509	End	814
GI	none	Score	225
Exons	509..796, 509..814, 531..800		

Seq. No.	35123	Seq. ID	OJ990408_03.9922.C6
Gene No.	72514	Strand	-
Start	1	End	949
Name	OJ990408_03.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	563	End	949
GI	none	Score	216
Exons	563..949, 564..938		

Seq. No.	35124	Seq. ID	OJ990408_03.9922.C7
Gene No.	72515	Strand	+
Start	1	End	1495
Name	OJ990408_03.9922.C7.o1.np	Method	AAT/NAP
Start	1	End	1495
GI	5042454	Score	290
Exons	1..515, 1459..1495		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	35124	Seq. ID	OJ990408_03.9922.C7
Gene No.	72516	Strand	-
Start	86	End	440
Name	OJ990408_03.9922.C7.o1.gs	Method	GENSCAN
Start	86	End	440
GI	none	Score	.51
Exons	86..172, 333..440		

Seq. No.	35125	Seq. ID	OJ990408_03.9922.C8
Gene No.	72517	Strand	-
Start	199	End	5105
Name	OJ990408_03.9922.C8.o1.gs	Method	GENSCAN
Start	199	End	5105
GI	none	Score	.65
Exons	199..466, 559..632, 656..856, 949..1717, 1800..1950, 2504..2617, 2954..3559, 4298..5105		

Seq. No.	35125	Seq. ID	OJ990408_03.9922.C8
Gene No.	72517	Strand	-
Start	199	End	5105
Name	OJ990408_03.9922.C8.o1.np	Method	AAT/NAP
Start	236	End	4580
GI	5441880	Score	1302
Exons	236..488, 586..850, 1369..1674, 1781..1954, 2523..2819, 3081..3130, 3572..4580		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	35125	Seq. ID	OJ990408_03.9922.C8
Gene No.	72518	Strand	-
Start	7177	End	8476
Name	OJ990408_03.9922.C8.o2.tw	Method	TBLASTX:Wheat
Start	1306	End	1635
GI	none	Score	98
Exons	1306..1338, 1375..1410, 1444..1572, 1445..1573, 1579..1632, 1582..1635		

Seq. No.	35125	Seq. ID	OJ990408_03.9922.C8
Gene No.	72518	Strand	-
Start	7177	End	8476
Name	OJ990408_03.9922.C8.o1.tw	Method	TBLASTX:Wheat
Start	3333	End	3720
GI	none	Score	156
Exons	3333..3530, 3334..3522, 3543..3719, 3570..3719, 3571..3720		

Seq. No.	35125	Seq. ID	OJ990408_03.9922.C8
Gene No.	72518	Strand	-
Start	7177	End	8476
Name	OJ990408_03.9922.C8.o1.tm	Method	TBLASTX:Maize
Start	3429	End	4011
GI	none	Score	46
Exons	3429..3509, 3469..3507, 3549..3857, 3553..3858, 3858..4010, 3889..4011		

Seq. No.	35125	Seq. ID	OJ990408_03.9922.C8
Gene No.	72518	Strand	-
Start	7177	End	8476
Name	OJ990408_03.9922.C8.o2.gs	Method	GENSCAN
Start	7177	End	8476
GI	none	Score	.99
Exons	7177..7564, 7778..7980, 8092..8251, 8394..8476		

Seq. No.	35125	Seq. ID	OJ990408_03.9922.C8
Gene No.	72518	Strand	-
Start	7177	End	8476
Name	OJ990408_03.9922.C8.o2.np	Method	AAT/NAP
Start	7183	End	8358
GI	1890575	Score	554
Exons	7183..7564, 7778..7953, 8074..8358		
GI Descrip.	(X93174) xyloglucan endotransglycosylase (XET) [Hordeum vulgare]		

Seq. No.	35125	Seq. ID	OJ990408_03.9922.C8
Gene No.	72518	Strand	-
Start	7177	End	8476
Name	OJ990408_03.9922.C8.o2.ts	Method	TBLASTX:Soybean
Start	7186	End	7557
GI	none	Score	107
Exons	7186..7206, 7216..7275, 7276..7509, 7391..7510, 7504..7557		

Seq. No.	35125	Seq. ID	OJ990408_03.9922.C8
Gene No.	72518	Strand	-
Start	7177	End	8476
Name	OJ990408_03.9922.C8.o2.tc	Method	TBLASTX:Cress
Start	7216	End	8194

GI none Score 120
Exons 7216..7251, 7333..7527, 7346..7525, 8089..8193, 8102..8194

Seq. No. 35125 Seq. ID OJ990408_03.9922.C8
Gene No. 72518 Strand -
Start 7177 End 8476
Name OJ990408_03.9922.C8.o3.tm Method TBLASTX:Maize
Start 7216 End 8193
GI none Score 132
Exons 7216..7275, 7324..7557, 7370..7561, 8089..8193

Seq. No. 35125 Seq. ID OJ990408_03.9922.C8
Gene No. 72518 Strand -
Start 7177 End 8476
Name OJ990408_03.9922.C8.o1.ts Method TBLASTX:Soybean
Start 7765 End 8193
GI none Score 161
Exons 7765..7947, 7766..7930, 8089..8193

Seq. No. 35125 Seq. ID OJ990408_03.9922.C8
Gene No. 72518 Strand -
Start 7177 End 8476
Name OJ990408_03.9922.C8.o2.tm Method TBLASTX:Maize
Start 7766 End 7962
GI none Score 176
Exons 7766..7930, 7771..7962

Seq. No. 35125 Seq. ID OJ990408_03.9922.C8
Gene No. 72518 Strand -
Start 7177 End 8476
Name OJ990408_03.9922.C8.o1.tc Method TBLASTX:Cress
Start 7771 End 7947
GI none Score 159
Exons 7771..7947, 7772..7930

Seq. No. 35126 Seq. ID OJ990408_03.9922.C10
Gene No. 72519 Strand +
Start 2429 End 4960
Name OJ990408_03.9922.C10.o1.np Method AAT/NAP
Start 2429 End 4930
GI 4056486 Score 989
Exons 2429..2473, 3764..4930
GI Descrip. (AC005896) hypothetical protein [Arabidopsis thaliana]

Seq. No. 35126 Seq. ID OJ990408_03.9922.C10
Gene No. 72519 Strand +
Start 2429 End 4960
Name OJ990408_03.9922.C10.o2.gs Method GENSCAN
Start 3350 End 4960
GI none Score .95
Exons 3350..4960

Seq. No. 35126 Seq. ID OJ990408_03.9922.C10
Gene No. 72519 Strand +
Start 2429 End 4960
Name OJ990408_03.9922.C10.o1.gp Method AAT/GAP
Start 4489 End 4827

GI 3107861 Score 652
 Exons 4489..4827
 GI Descrip. 4056486 8.0e-36 (AC005896) hypothetical protein [Arabidopsis thaliana]

Seq. No. 35126 Seq. ID OJ990408_03.9922.C10
 Gene No. 72520 Strand +
 Start 6530 End 11493
 Name OJ990408_03.9922.C10.o3.gs Method GENSCAN
 Start 6530 End 9815
 GI none Score .81
 Exons 6530..6758, 6877..6898, 8540..8898, 9061..9150, 9274..9374, 9675..9815

Seq. No. 35126 Seq. ID OJ990408_03.9922.C10
 Gene No. 72520 Strand +
 Start 6530 End 11493
 Name OJ990408_03.9922.C10.o2.np Method AAT/NAP
 Start 6539 End 11493
 GI 3822036 Score 447
 Exons 6539..6762, 8576..8717, 8808..8898, 9061..9150, 9274..9378, 11438..11493

GI Descrip. (AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]

Seq. No. 35126 Seq. ID OJ990408_03.9922.C10
 Gene No. 72520 Strand +
 Start 6530 End 11493
 Name OJ990408_03.9922.C10.o3.gp Method AAT/GAP
 Start 9767 End 9992
 GI uC-osflcyp067d07a1 Score 368
 Exons 9767..9992
 GI Descrip. '4388731/gb|AAD19769| 1.0e-34 (AC006413) hypothetical protein [Arabidopsis thaliana]'

Seq. No. 35126 Seq. ID OJ990408_03.9922.C10
 Gene No. 72521 Strand -
 Start 642 End 858
 Name OJ990408_03.9922.C10.o1.gs Method GENSCAN
 Start 642 End 858
 GI none Score .93
 Exons 642..858

Seq. No. 35126 Seq. ID OJ990408_03.9922.C10
 Gene No. 72522 Strand -
 Start 10662 End 11150
 Name OJ990408_03.9922.C10.o4.gs Method GENSCAN
 Start 10662 End 11150
 GI none Score .47
 Exons 10662..10824, 10904..11039, 11111..11150

Seq. No. 35126 Seq. ID OJ990408_03.9922.C10
 Gene No. 72523 Strand -
 Start 11054 End 12466
 Name OJ990408_03.9922.C10.o1.tc Method TBLASTX:Cress
 Start 3773 End 4480
 GI none Score 145
 Exons 3773..4066, 3836..4075, 3844..4017, 3845..4066, 3935..4378,

4073..4129, 4097..4318, 4214..4390, 4244..4456, 4370..4480,
4384..4476

Seq. No.	35126	Seq. ID	OJ990408_03.9922.C10
Gene No.	72523	Strand	-
Start	11054	End	12466
Name	OJ990408_03.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	3773	End	4480
GI	none	Score	200
Exons	3773..4153, 4052..4480, 4084..4476		

Seq. No.	35126	Seq. ID	OJ990408_03.9922.C10
Gene No.	72523	Strand	-
Start	11054	End	12466
Name	OJ990408_03.9922.C10.o2.ts	Method	TBLASTX:Soybean
Start	3776	End	4423
GI	none	Score	169
Exons	3776..4141, 4070..4423, 4195..4359		

Seq. No.	35126	Seq. ID	OJ990408_03.9922.C10
Gene No.	72523	Strand	-
Start	11054	End	12466
Name	OJ990408_03.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	4025	End	4579
GI	none	Score	132
Exons	4025..4378, 4026..4190, 4028..4372, 4033..4473, 4230..4376, 4378..4521, 4379..4555, 4379..4561, 4383..4562, 4526..4579, 4559..4579		

Seq. No.	35126	Seq. ID	OJ990408_03.9922.C10
Gene No.	72523	Strand	-
Start	11054	End	12466
Name	OJ990408_03.9922.C10.o1.ts	Method	TBLASTX:Soybean
Start	4478	End	4864
GI	none	Score	296
Exons	4478..4864, 4588..4821		

Seq. No.	35126	Seq. ID	OJ990408_03.9922.C10
Gene No.	72523	Strand	-
Start	11054	End	12466
Name	OJ990408_03.9922.C10.o2.tc	Method	TBLASTX:Cress
Start	4487	End	4813
GI	none	Score	247
Exons	4487..4813, 4502..4666, 4588..4806		

Seq. No.	35126	Seq. ID	OJ990408_03.9922.C10
Gene No.	72523	Strand	-
Start	11054	End	12466
Name	OJ990408_03.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	4591	End	4864
GI	none	Score	220
Exons	4591..4851, 4592..4864		

Seq. No.	35126	Seq. ID	OJ990408_03.9922.C10
Gene No.	72523	Strand	-
Start	11054	End	12466
Name	OJ990408_03.9922.C10.o3.tm	Method	TBLASTX:Maize

Start	8628	End	9383
GI	none	Score	41
Exons	8628..8657, 8673..8720, 8805..8924, 8807..8866, 9054..9164, 9059..9157, 9260..9382, 9261..9383		

Seq. No.	35126	Seq. ID	OJ990408_03.9922.C10
Gene No.	72523	Strand	-
Start	11054	End	12466
Name	OJ990408_03.9922.C10.o3.np	Method	AAT/NAP
Start	11054	End	12466
GI	4557565	Score	97
Exons	11054..11323, 12375..12466		
GI Descrip.	excision repair cross-complementing rodent repair deficiency, complementation group 6 gi 416959 sp Q03468 ERC6_HUMAN EXCISION REPAIR PROTEIN ERCC-6 (COCKAYNE SYNDROME PROTEIN CSB) gi 345826 pir A44224 DNA repair helicase ERCC6 - human gi 182181 (L04791) excision repair protein [Homo sapiens]		

Seq. No.	35127	Seq. ID	OJ990408_03.9922.C11
Gene No.	72524	Strand	+
Start	1	End	1773
Name	OJ990408_03.9922.C11.o1.np	Method	AAT/NAP
Start	1	End	1773
GI	6907087	Score	1119
Exons	1..241, 452..1120, 1672..1773		
GI Descrip.	(AP001129) ESTs C72771(E2215), AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35127	Seq. ID	OJ990408_03.9922.C11
Gene No.	72525	Strand	+
Start	2238	End	2620
Name	OJ990408_03.9922.C11.o2.gp	Method	AAT/GAP
Start	2238	End	2620
GI	uC-osflcyp033a04b1	Score	688
Exons	2238..2620		
GI Descrip.	'6016845/dbj AP000570.1 AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	35127	Seq. ID	OJ990408_03.9922.C11
Gene No.	72526	Strand	-
Start	2167	End	2370
Name	OJ990408_03.9922.C11.o2.np	Method	AAT/NAP
Start	2167	End	2370
GI	4680186	Score	236
Exons	2167..2370		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	35128	Seq. ID	OJ990408_03.9922.C12
Gene No.	72527	Strand	+
Start	1580	End	4310
Name	OJ990408_03.9922.C12.o1.gs	Method	GENSCAN
Start	1580	End	3308
GI	none	Score	.85
Exons	1580..1725, 2107..2197, 2330..2443, 2572..2672, 3168..3308		

Seq. No.	35128	Seq. ID	OJ990408_03.9922.C12
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Gene No.	72527	Strand	+
Start	1580	End	4310
Name	OJ990408_03.9922.C12.o1.np	Method	AAT/NAP
Start	1640	End	4310
GI	3822036	Score	256
Exons	1640..1763, 2107..2202, 2359..2443, 2572..2714, 4163..4310		
GI Descrip.	(AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]		

Seq. No.	35128	Seq. ID	OJ990408_03.9922.C12
Gene No.	72528	Strand	+
Start	5555	End	11411
Name	OJ990408_03.9922.C12.o3.gs	Method	GENSCAN
Start	5555	End	8619
GI	none	Score	.49
Exons	5555..5792, 6858..7037, 7081..7414, 8309..8423, 8500..8619		

Seq. No.	35128	Seq. ID	OJ990408_03.9922.C12
Gene No.	72528	Strand	+
Start	5555	End	11411
Name	OJ990408_03.9922.C12.o2.np	Method	AAT/NAP
Start	5561	End	11411
GI	3822036	Score	219
Exons	5561..5796, 8042..8187, 11328..11411		
GI Descrip.	(AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]		

Seq. No.	35128	Seq. ID	OJ990408_03.9922.C12
Gene No.	72528	Strand	+
Start	5555	End	11411
Name	OJ990408_03.9922.C12.o1.gp	Method	AAT/GAP
Start	8894	End	9294
GI	none	Score	731
Exons	8894..9294		

Seq. No.	35128	Seq. ID	OJ990408_03.9922.C12
Gene No.	72529	Strand	-
Start	4895	End	5142
Name	OJ990408_03.9922.C12.o2.gs	Method	GENSCAN
Start	4895	End	5142
GI	none	Score	.87
Exons	4895..5035, 5077..5142		

Seq. No.	35129	Seq. ID	OJ990408_03.9922.C13
Gene No.	72530	Strand	+
Start	1	End	3912
Name	OJ990408_03.9922.C13.o1.np	Method	AAT/NAP
Start	1	End	1134
GI	3822036	Score	218
Exons	1..30, 572..663, 850..938, 1030..1134		
GI Descrip.	(AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]		

Seq. No.	35129	Seq. ID	OJ990408_03.9922.C13
Gene No.	72530	Strand	+
Start	1	End	3912
Name	OJ990408_03.9922.C13.o1.tm	Method	TBLASTX:Maize
Start	563	End	1166
GI	none	Score	71
Exons	563..634, 635..664, 839..949, 839..940, 841..945, 1025..1138,		

1026..1166

Seq. No.	35129	Seq. ID	OJ990408_03.9922.C13
Gene No.	72530	Strand	+
Start	1	End	3912
Name	OJ990408_03.9922.C13.o1.gs	Method	GENSCAN
Start	572	End	3912
GI	none	Score	.51
Exons	572..662, 870..938, 1030..1130, 1547..1683, 3258..3313, 3539..3629, 3635..3912		

Seq. No.	35129	Seq. ID	OJ990408_03.9922.C13
Gene No.	72530	Strand	+
Start	1	End	3912
Name	OJ990408_03.9922.C13.o1.gp	Method	AAT/GAP
Start	849	End	1130
GI	57287_1.R1084	Score	278
Exons	849..938, 1030..1130		
GI Descrip.	'3822036 2.0e-29 (AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]'		

Seq. No.	35129	Seq. ID	OJ990408_03.9922.C13
Gene No.	72530	Strand	+
Start	1	End	3912
Name	OJ990408_03.9922.C13.o2.gp	Method	AAT/GAP
Start	1547	End	1922
GI	57287_1.R1084	Score	576
Exons	1547..1922		
GI Descrip.	'3822036 2.0e-29 (AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]'		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72531	Strand	+
Start	521	End	1067
Name	OJ990408_03.9922.C14.o1.gs	Method	GENSCAN
Start	521	End	928
GI	none	Score	.68
Exons	521..928		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72531	Strand	+
Start	521	End	1067
Name	OJ990408_03.9922.C14.o1.gp	Method	AAT/GAP
Start	522	End	1067
GI	69816_1.R1084	Score	704
Exons	522..931, 1029..1067		
GI Descrip.	'5441876/dbj AP000367.1 AP000367 3.0e-15 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72532	Strand	+
Start	4008	End	4961
Name	OJ990408_03.9922.C14.o3.gs	Method	GENSCAN
Start	4008	End	4961
GI	none	Score	.58
Exons	4008..4227, 4792..4961		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72533	Strand	+
Start	7435	End	9606
Name	OJ990408_03.9922.C14.o5.gs	Method	GENSCAN
Start	7435	End	9606
GI	none	Score	.83
Exons	7435..7581, 8528..8653, 9484..9606		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72534	Strand	+
Start	13581	End	33416
Name	OJ990408_03.9922.C14.o6.gs	Method	GENSCAN
Start	13581	End	14040
GI	none	Score	.91
Exons	13581..13806, 14018..14040		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72534	Strand	+
Start	13581	End	33416
Name	OJ990408_03.9922.C14.o2.gp	Method	AAT/GAP
Start	13631	End	21978
GI	86837.1.R1084	Score	1608
Exons	13631..13806, 13966..13987, 19774..19891, 20203..20293, 20467..20556, 20653..20756, 21691..21978		

GI Descrip. '3822036 1.0e-67 (AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]'

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72534	Strand	+
Start	13581	End	33416
Name	OJ990408_03.9922.C14.o2.np	Method	AAT/NAP
Start	18514	End	21425
GI	3822036	Score	345
Exons	18514..18590, 19770..19891, 20203..20293, 20467..20556, 20653..20756, 21400..21425		

GI Descrip. (AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72534	Strand	+
Start	13581	End	33416
Name	OJ990408_03.9922.C14.o8.gs	Method	GENSCAN
Start	19742	End	33416
GI	none	Score	.42
Exons	19742..19891, 20203..20293, 20467..20556, 20653..20756, 21691..21768, 24397..24559, 24688..24818, 25141..25237, 25741..25874, 26733..26808, 27631..27733, 27927..28061, 28174..28285, 29201..29290, 29670..29819, 29954..30103, 30111..30279, 31488..31682, 32057..32230, 32911..33091, 33395..33416		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72534	Strand	+
Start	13581	End	33416
Name	OJ990408_03.9922.C14.o4.np	Method	AAT/NAP
Start	30530	End	31874
GI	6630699	Score	75
Exons	30530..30556, 31768..31874		

GI Descrip. (AP000969) hypothetical protein [Oryza sativa]
gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein
[Oryza sativa]

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72535	Strand	-
Start	1145	End	2384
Name	OJ990408_03.9922.C14.o2.gs	Method	GENSCAN
Start	1145	End	2384
GI	none	Score	.49
Exons	1145..1348, 2373..2384		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72536	Strand	-
Start	5511	End	5741
Name	OJ990408_03.9922.C14.o4.gs	Method	GENSCAN
Start	5511	End	5741
GI	none	Score	.7
Exons	5511..5741		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72537	Strand	-
Start	17725	End	20951
Name	OJ990408_03.9922.C14.o7.gs	Method	GENSCAN
Start	17725	End	19336
GI	none	Score	.74
Exons	17725..18174, 18239..18301, 18744..18935, 18987..19007, 19331..19336		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72537	Strand	-
Start	17725	End	20951
Name	OJ990408_03.9922.C14.o1.np	Method	AAT/NAP
Start	18997	End	20951
GI	6721512	Score	81
Exons	18997..19134, 19161..19263, 20910..20951		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72538	Strand	-
Start	27874	End	31736
Name	OJ990408_03.9922.C14.o3.np	Method	AAT/NAP
Start	27874	End	31736
GI	5922620	Score	754
Exons	27874..28004, 29365..29449, 29983..30159, 30207..30498, 31633..31736		

GI Descrip. (AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]
gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72539	Strand	-
Start	32014	End	33784
Name	OJ990408_03.9922.C14.o5.np	Method	AAT/NAP
Start	32014	End	33784

GI 5922620 Score 180
 Exons 32014..32145, 33702..33784
 GI Descrip. (AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]
 gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 35130 Seq. ID OJ990408_03.9922.C14
 Gene No. 72540 Strand -
 Start 36180 End 37749
 Name OJ990408_03.9922.C14.o1.tm Method TBLASTX:Maize
 Start 638 End 1127
 GI none Score 378
 Exons 638..937, 657..755, 668..835, 850..933, 885..935, 1038..1127, 1049..1111

Seq. No. 35130 Seq. ID OJ990408_03.9922.C14
 Gene No. 72540 Strand -
 Start 36180 End 37749
 Name OJ990408_03.9922.C14.o4.tm Method TBLASTX:Maize
 Start 7498 End 20752
 GI none Score 78
 Exons 7498..7584, 7811..7879, 7812..7880, 7888..7920, 8327..8425, 8329..8424, 8549..8686, 19808..19894, 19810..19893, 20196..20261, 20197..20265, 20277..20306, 20460..20558, 20460..20558, 20465..20563, 20645..20752, 20649..20747

Seq. No. 35130 Seq. ID OJ990408_03.9922.C14
 Gene No. 72540 Strand -
 Start 36180 End 37749
 Name OJ990408_03.9922.C14.o10.gs Method GENSCAN
 Start 36180 End 37651
 GI none Score .43
 Exons 36180..37532, 37547..37651

Seq. No. 35130 Seq. ID OJ990408_03.9922.C14
 Gene No. 72540 Strand -
 Start 36180 End 37749
 Name OJ990408_03.9922.C14.o6.np Method AAT/NAP
 Start 36183 End 37749
 GI 6630696 Score 2580
 Exons 36183..37749
 GI Descrip. (AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No. 35130 Seq. ID OJ990408_03.9922.C14
 Gene No. 72540 Strand -
 Start 36180 End 37749
 Name OJ990408_03.9922.C14.o1.tw Method TBLASTX:Wheat
 Start 36319 End 36794
 GI none Score 404
 Exons 36319..36705, 36324..36704, 36720..36794, 36721..36789

Seq. No. 35130 Seq. ID OJ990408_03.9922.C14
 Gene No. 72540 Strand -

Start	36180	End	37749
Name	OJ990408_03.9922.C14.o3.ts	Method	TBLASTX:Soybean
Start	36447	End	36788
GI	none	Score	94
Exons	36447..36656, 36526..36651, 36675..36788, 36685..36753		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72540	Strand	-
Start	36180	End	37749
Name	OJ990408_03.9922.C14.o2.tm	Method	TBLASTX:Maize
Start	36650	End	36999
GI	none	Score	83
Exons	36650..36898, 36651..36989, 36652..36999		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72540	Strand	-
Start	36180	End	37749
Name	OJ990408_03.9922.C14.o2.ts	Method	TBLASTX:Soybean
Start	36801	End	37149
GI	none	Score	72
Exons	36801..36989, 36802..36990, 37008..37148, 37009..37149		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72540	Strand	-
Start	36180	End	37749
Name	OJ990408_03.9922.C14.o2.tw	Method	TBLASTX:Wheat
Start	37002	End	37550
GI	none	Score	72
Exons	37002..37208, 37203..37550, 37366..37530		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72540	Strand	-
Start	36180	End	37749
Name	OJ990408_03.9922.C14.o3.tm	Method	TBLASTX:Maize
Start	37083	End	37550
GI	none	Score	62
Exons	37083..37550, 37186..37296, 37332..37412, 37417..37548		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72540	Strand	-
Start	36180	End	37749
Name	OJ990408_03.9922.C14.o1.ts	Method	TBLASTX:Soybean
Start	37233	End	37681
GI	5509260	Score	73
Exons	37233..37571, 37426..37548, 37556..37681		
GI Descrip.	-		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72540	Strand	-
Start	36180	End	37749
Name	OJ990408_03.9922.C14.o1.tc	Method	TBLASTX:Cress
Start	37329	End	37588
GI	none	Score	79
Exons	37329..37571, 37338..37532, 37417..37548, 37553..37588		

Seq. No.	35130	Seq. ID	OJ990408_03.9922.C14
Gene No.	72540	Strand	-

Start	36180	End	37749
Name	OJ990408_03.9922.C14.o3.tw	Method	TBLASTX:Wheat
Start	37601	End	37747
GI	none	Score	140
Exons	37601..37747, 37605..37742		

Seq. No.	35131	Seq. ID	OJ990408_03.9922.C16
Gene No.	72541	Strand	+
Start	1	End	584
Name	OJ990408_03.9922.C16.o1.np	Method	AAT/NAP
Start	1	End	584
GI	4680203	Score	660
Exons	1..584		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	35131	Seq. ID	OJ990408_03.9922.C16
Gene No.	72541	Strand	+
Start	1	End	584
Name	OJ990408_03.9922.C16.o1.ts	Method	TBLASTX:Soybean
Start	14	End	443
GI	none	Score	95
Exons	14..88, 168..443, 197..430		

Seq. No.	35131	Seq. ID	OJ990408_03.9922.C16
Gene No.	72541	Strand	+
Start	1	End	584
Name	OJ990408_03.9922.C16.o1.gs	Method	GENSCAN
Start	123	End	389
GI	none	Score	.54
Exons	123..211, 251..389		

Seq. No.	35131	Seq. ID	OJ990408_03.9922.C16
Gene No.	72541	Strand	+
Start	1	End	584
Name	OJ990408_03.9922.C16.o1.tc	Method	TBLASTX:Cress
Start	173	End	506
GI	none	Score	250
Exons	173..328, 174..506, 377..505		

Seq. No.	35131	Seq. ID	OJ990408_03.9922.C16
Gene No.	72541	Strand	+
Start	1	End	584
Name	OJ990408_03.9922.C16.o1.tm	Method	TBLASTX:Maize
Start	269	End	497
GI	none	Score	246
Exons	269..340, 285..497, 300..494, 365..496		

Seq. No.	35131	Seq. ID	OJ990408_03.9922.C16
Gene No.	72541	Strand	+
Start	1	End	584
Name	OJ990408_03.9922.C16.o1.tw	Method	TBLASTX:Wheat
Start	311	End	516
GI	none	Score	291
Exons	311..511, 312..515, 313..516		

Seq. No.	35132	Seq. ID	OJ990408_03.9922.C18
Gene No.	72542	Strand	+

Start	1	End	480
Name	OJ990408_03.9922.C18.o1.np	Method	AAT/NAP
Start	1	End	480
GI	6063554	Score	116
Exons	1..202, 308..480		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35132	Seq. ID	OJ990408_03.9922.C18
Gene No.	72543	Strand	-
Start	210	End	291
Name	OJ990408_03.9922.C18.o1.gs	Method	GENSCAN
Start	210	End	291
GI	none	Score	.82
Exons	210..291		

Seq. No.	35133	Seq. ID	OJ990408_03.9922.C20
Gene No.	72544	Strand	+
Start	96	End	182
Name	OJ990408_03.9922.C20.o1.gs	Method	GENSCAN
Start	96	End	182
GI	none	Score	.8
Exons	96..182		

Seq. No.	35133	Seq. ID	OJ990408_03.9922.C20
Gene No.	72545	Strand	-
Start	1	End	280
Name	OJ990408_03.9922.C20.o1.np	Method	AAT/NAP
Start	1	End	280
GI	5922634	Score	111
Exons	1..58, 181..280		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi 6016867 dbj BAA85210.1 (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	35134	Seq. ID	OJ990408_03.9922.C21
Gene No.	72546	Strand	+
Start	201	End	330
Name	OJ990408_03.9922.C21.o1.gs	Method	GENSCAN
Start	201	End	330
GI	none	Score	.83
Exons	201..330		

Seq. No.	35135	Seq. ID	OJ990408_03.9922.C22
Gene No.	72547	Strand	+
Start	573	End	746
Name	OJ990408_03.9922.C22.o1.np	Method	AAT/NAP
Start	573	End	746
GI	6063554	Score	100
Exons	573..746		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	35135	Seq. ID	OJ990408_03.9922.C22
Gene No.	72548	Strand	-

Start	1	End	133
Name	OJ990408_03.9922.C22.o1.gp	Method	AAT/GAP
Start	1	End	133
GI	101153_1.R1084	Score	219
Exons	1..133		
GI Descrip.	'5852170/emb AL117265.1 OST17804 1.0e-115 Oryza sativa indica (GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	35135	Seq. ID	OJ990408_03.9922.C22
Gene No.	72549	Strand	-
Start	475	End	556
Name	OJ990408_03.9922.C22.o1.gs	Method	GENSCAN
Start	475	End	556
GI	none	Score	.81
Exons	475..556		

Seq. No.	35136	Seq. ID	OJ990408_03.9922.C23
Gene No.	72550	Strand	+
Start	1	End	4738
Name	OJ990408_03.9922.C23.o1.np	Method	AAT/NAP
Start	1	End	1034
GI	4185142	Score	118
Exons	1..385, 472..1034		

GI Descrip. (AC005724) putative SNF2/RAD54 family DNA repair and recombination protein [Arabidopsis thaliana]

Seq. No.	35136	Seq. ID	OJ990408_03.9922.C23
Gene No.	72550	Strand	+
Start	1	End	4738
Name	OJ990408_03.9922.C23.o1.gs	Method	GENSCAN
Start	509	End	4738
GI	none	Score	.66
Exons	509..571, 1421..1476, 4423..4738		

Seq. No.	35136	Seq. ID	OJ990408_03.9922.C23
Gene No.	72551	Strand	-
Start	6472	End	6500
Name	OJ990408_03.9922.C23.o1.tw	Method	TBLASTX:Wheat
Start	651	End	1037
GI	none	Score	57
Exons	651..683, 765..842, 819..866, 820..867, 821..859, 900..1037, 905..1036, 912..1037		

Seq. No.	35136	Seq. ID	OJ990408_03.9922.C23
Gene No.	72551	Strand	-
Start	6472	End	6500
Name	OJ990408_03.9922.C23.o2.gs	Method	GENSCAN
Start	6472	End	6500
GI	none	Score	.63
Exons	6472..6500		

Seq. No.	35137	Seq. ID	OJ990408_03.9922.C24
Gene No.	72552	Strand	+
Start	1249	End	4130
Name	OJ990408_03.9922.C24.o1.gs	Method	GENSCAN
Start	1249	End	4130
GI	none	Score	.95

Exons 1249..1799, 2023..2079, 3635..4130

Seq. No.	35137	Seq. ID	OJ990408_03.9922.C24
Gene No.	72552	Strand	+
Start	1249	End	4130
Name	OJ990408_03.9922.C24.o1.np	Method	AAT/NAP
Start	1322	End	4130
GI	1706740	Score	410
Exons	1322..1799, 3635..4130		
GI Descrip.	FLAVONOL 4'-SULFOTRANSFERASE (F4-ST) gi 168169 (M84136) flavonol 4'-sulfotransferase [Flaveria chloraefolia]		

Seq. No.	35137	Seq. ID	OJ990408_03.9922.C24
Gene No.	72553	Strand	-
Start	4909	End	5844
Name	OJ990408_03.9922.C24.o2.gs	Method	GENSCAN
Start	4909	End	5844
GI	none	Score	.64
Exons	4909..5030, 5226..5262, 5788..5844		

Seq. No.	35137	Seq. ID	OJ990408_03.9922.C24
Gene No.	72554	Strand	-
Start	7328	End	11710
Name	OJ990408_03.9922.C24.o2.tm	Method	TBLASTX:Maize
Start	1302	End	11706
GI	none	Score	94
Exons	1302..1391, 1303..1482, 1488..1592, 1495..1593, 1572..1643, 1576..1644, 11482..11616, 11483..11617, 11650..11706		

Seq. No.	35137	Seq. ID	OJ990408_03.9922.C24
Gene No.	72554	Strand	-
Start	7328	End	11710
Name	OJ990408_03.9922.C24.o1.tm	Method	TBLASTX:Maize
Start	3618	End	7825
GI	none	Score	47
Exons	3618..3671, 3699..3941, 3812..3937, 7517..7759, 7775..7825		

Seq. No.	35137	Seq. ID	OJ990408_03.9922.C24
Gene No.	72554	Strand	-
Start	7328	End	11710
Name	OJ990408_03.9922.C24.o1.tc	Method	TBLASTX:Cress
Start	3699	End	7759
GI	none	Score	226
Exons	3699..3974, 4002..4121, 7337..7456, 7373..7486, 7484..7759, 7485..7745		

Seq. No.	35137	Seq. ID	OJ990408_03.9922.C24
Gene No.	72554	Strand	-
Start	7328	End	11710
Name	OJ990408_03.9922.C24.o2.np	Method	AAT/NAP
Start	7318	End	11710
GI	4539424	Score	457
Exons	7318..7811, 11327..11424, 11473..11710		
GI Descrip.	(AL049171) steroid sulfotransferase-like protein [Arabidopsis thaliana]		

Seq. No.	35137	Seq. ID	OJ990408_03.9922.C24
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Gene No.	72554	Strand	-
Start	7328	End	11710
Name	OJ990408_03.9922.C24.o3.gs	Method	GENSCAN
Start	7328	End	7786
GI	none	Score	.87
Exons	7328..7786		

Seq. No.	35137	Seq. ID	OJ990408_03.9922.C24
Gene No.	72554	Strand	-
Start	7328	End	11710
Name	OJ990408_03.9922.C24.o4.gs	Method	GENSCAN
Start	9898	End	11658
GI	none	Score	.62
Exons	9898..10051, 10056..10367, 11327..11658		

Seq. No.	35138	Seq. ID	OJ990408_03.9922.C25
Gene No.	72555	Strand	+
Start	101	End	1169
Name	OJ990408_03.9922.C25.o1.tw	Method	TBLASTX:Wheat
Start	10	End	392
GI	none	Score	120
Exons	10..69, 11..130, 107..391, 181..372, 210..392		

Seq. No.	35138	Seq. ID	OJ990408_03.9922.C25
Gene No.	72555	Strand	+
Start	101	End	1169
Name	OJ990408_03.9922.C25.o1.gs	Method	GENSCAN
Start	101	End	1068
GI	none	Score	.95
Exons	101..848, 959..1068		

Seq. No.	35138	Seq. ID	OJ990408_03.9922.C25
Gene No.	72555	Strand	+
Start	101	End	1169
Name	OJ990408_03.9922.C25.o1.np	Method	AAT/NAP
Start	101	End	1169
GI	6630696	Score	1720
Exons	101..1169		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	35138	Seq. ID	OJ990408_03.9922.C25
Gene No.	72555	Strand	+
Start	101	End	1169
Name	OJ990408_03.9922.C25.o1.gp	Method	AAT/GAP
Start	143	End	1032
GI	101595_1.R1084	Score	1430
Exons	143..843, 959..1032		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	35138	Seq. ID	OJ990408_03.9922.C25
Gene No.	72555	Strand	+
Start	101	End	1169
Name	OJ990408_03.9922.C25.o1.tm	Method	TBLASTX:Maize
Start	143	End	451

GI	none	Score	318
Exons	143..451, 190..372, 243..386, 272..448		
Seq. No.	35138	Seq. ID	OJ990408_03.9922.C25
Gene No.	72555	Strand	+
Start	101	End	1169
Name	OJ990408_03.9922.C25.o2.tm	Method	TBLASTX:Maize
Start	954	End	1168
GI	none	Score	38
Exons	954..989, 954..989, 984..1100, 987..1100, 1144..1167, 1145..1168		

Seq. No.	35139	Seq. ID	OJ990408_02.9922.C1
Gene No.	72556	Strand	+
Start	392	End	513
Name	OJ990408_02.9922.C1.o1.gs	Method	GENSCAN
Start	392	End	513
GI	none	Score	.49
Exons	392..513		

Seq. No.	35140	Seq. ID	OJ990408_02.9922.C3
Gene No.	72557	Strand	+
Start	101	End	12087
Name	OJ990408_02.9922.C3.o1.gs	Method	GENSCAN
Start	101	End	12087
GI	none	Score	.5
Exons	101..245, 251..321, 894..1005, 1176..1296, 4695..4843, 5420..5444, 6276..6552, 7313..7616, 8155..8188, 9525..9629, 11211..11276, 11923..12087		

Seq. No.	35140	Seq. ID	OJ990408_02.9922.C3
Gene No.	72558	Strand	+
Start	13131	End	16344
Name	OJ990408_02.9922.C3.o1.np	Method	AAT/NAP
Start	13131	End	16344
GI	6016874	Score	162
Exons	13131..13165, 15565..15705, 16127..16344		
GI Descrip.	(AP000570) ESTs C19143(E10020), D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	35140	Seq. ID	OJ990408_02.9922.C3
Gene No.	72558	Strand	+
Start	13131	End	16344
Name	OJ990408_02.9922.C3.o2.gs	Method	GENSCAN
Start	14660	End	14896
GI	none	Score	.87
Exons	14660..14896		

Seq. No.	35140	Seq. ID	OJ990408_02.9922.C3
Gene No.	72558	Strand	+
Start	13131	End	16344
Name	OJ990408_02.9922.C3.o1.gp	Method	AAT/GAP
Start	15402	End	16334
GI	3653 2.R1084	Score	1815
Exons	15402..16334		
GI Descrip.	'6016874/dbj BAA85217.1 6.0e-17 (AP000570) ESTs C19143(E10020), D25076(R3116) correspond to a region of the		

predicted gene.; Similar to putative AC9 transposase. (P03010)
[Oryza sativa]'

Seq. No.	35140	Seq. ID	OJ990408_02.9922.C3
Gene No.	72559	Strand	-
Start	15668	End	18300
Name	OJ990408_02.9922.C3.o3.gs	Method	GENSCAN
Start	15668	End	18300
GI	none	Score	.54
Exons	15668..15866, 15928..16458, 17774..17905, 18194..18300		

Seq. No.	35140	Seq. ID	OJ990408_02.9922.C3
Gene No.	72559	Strand	-
Start	15668	End	18300
Name	OJ990408_02.9922.C3.o2.gp	Method	AAT/GAP
Start	16331	End	16724
GI	57616_1.R1084	Score	705
Exons	16331..16724		
GI Descrip.	'559342/dbj D34614 D34613S02 3.0e-52 Human TBXAS1 gene for thromboxane synthase, exon'		

Seq. No.	35141	Seq. ID	OJ990408_02.9922.C4
Gene No.	72560	Strand	+
Start	2695	End	7227
Name	OJ990408_02.9922.C4.o1.np	Method	AAT/NAP
Start	2695	End	7227
GI	5042463	Score	123
Exons	2695..2716, 4297..4488, 5161..5325, 5377..5451, 7178..7227		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	35141	Seq. ID	OJ990408_02.9922.C4
Gene No.	72560	Strand	+
Start	2695	End	7227
Name	OJ990408_02.9922.C4.o1.gp	Method	AAT/GAP
Start	3269	End	3530
GI	LIB3475-004-P1-K2-A5	Score	281
Exons	3269..3530		
GI Descrip.	'5777612/emb AJ245900.1 OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	35141	Seq. ID	OJ990408_02.9922.C4
Gene No.	72560	Strand	+
Start	2695	End	7227
Name	OJ990408_02.9922.C4.o2.gs	Method	GENSCAN
Start	3478	End	4122
GI	none	Score	.57
Exons	3478..3630, 3759..3981, 4016..4122		

Seq. No.	35141	Seq. ID	OJ990408_02.9922.C4
Gene No.	72561	Strand	+
Start	12455	End	15582
Name	OJ990408_02.9922.C4.o5.gs	Method	GENSCAN
Start	12455	End	15582
GI	none	Score	.7
Exons	12455..12489, 13725..13834, 14328..14434, 15457..15582		

Seq. No.	35141	Seq. ID	OJ990408_02.9922.C4
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